General Information

Message from the President

A Message from President Armstrong

This is an exciting time to be part of Cal Poly Solano Campus and Cal Poly Maritime Academy! As we integrate with Cal Poly, we remain deeply committed to our 100-year tradition of maritime education.

Student success is at the heart of everything we do. Our commitment to academic rigor, Learn by Doing, leadership development and global awareness ensures our graduates are ready day one for high-impact careers in an increasingly global workforce.

ACADEMIC EXCELLENCE

Led by talented and dedicated faculty and staff, we offer a curriculum that, while unique, is flexible enough for graduates to seek rewarding careers in transportation, business, international trade policy and engineering - as well as the traditional maritime fields.

LEARN BY DOING

Learn by Doing is the foundation of a Cal Poly education - classroom instruction complemented by hands-on experiences in the laboratory, on board Training Ship *Golden Bear*, and in the world.

ANTI-DISCRIMINATION

The University prohibits discrimination and harassment based on religion, ethnicity, ancestry, and all other protected characteristics. Antisemitism and anti-Zionism may constitute unlawful discrimination when it targets individuals based on their Jewish identity, resulting in denial of rights, benefits, or equal access, or creating a hostile environment. Criticism of a government or its policies, when not directed at individuals because of religion, ethnicity, or ancestry, is protected free expression under the First Amendment. The University is committed to protecting both civil rights and free speech consistent with federal and state law for all individuals.

LEADERSHIP DEVELOPMENT

We cultivate critical thinking, ethical leadership and global awareness to give students a competitive edge as they navigate their course into the future.

We welcome different perspectives and experiences, encouraging multi-cultural education. Our diversity enriches our educational environment.

By blending rigorous academics, Learn by Doing, leadership development and a supportive campus community, we create an environment where students don't just learn - they thrive.

Jeffrey D. Armstrong
President

University at a Glance

Cal Poly Solano Campus and Cal Poly Maritime Academy at a Glance

The maritime industry has a significant role in today's global economy. The men and women who work at ports and on ships are vital in the transportation of goods and commodities throughout the world. These merchant mariners manage cargo to its destination, navigate ships, manage ports and terminals, and oversee engine rooms. They understand the impact they may have on the environment through accidental oil spills and effluent discharge. Some work to improve engines and energy systems; others work in maritime law, safety, ship brokering and insurance, towing, piloting, amongst several facets of maritime trade and transportation.

Located in Vallejo, California, California State University Maritime Academy (Cal Maritime) is one of only seven degree-granting maritime academies in the United States, and the only one located on the West coast. It is a unique and specialized campus of the California State University that offers licensed and non-licensed degree programs to meet the above diverse needs of the maritime industry.

Licensed programs prepare students for the Third Mate or Third Assistant Engineer license issued by the United States Coast Guard upon successfully completing their baccalaureate degree and passing the United States Coast Guard licensing examination. The license, recognized and respected by other countries, enables graduates to sail as officers on U.S. ships on any ocean, regardless of tonnage, horsepower and size.

Students interested in becoming a licensed Third Mate need to complete their studies in the Marine Transportation degree program. Students interested in becoming a licensed Third Assistant Engineer need to complete their studies in the Marine Engineering Technology degree program or the licensed Mechanical Engineering degree program.

In addition, Cal Maritime offers degrees in several non-licensed programs. Graduates in these programs typically work in shore-side jobs related to the maritime industry. For example, graduates are prepared to work in U.S. federal, state, and local governments; agencies specializing in maritime security; international organizations such as the International Maritime Organization (IMO) and the International Maritime Bureau (IMB); and insurance and underwriting firms specializing in shipping and maritime issues.

They are also prepared to pursue graduate study in engineering, maritime law, international relations, public policy, maritime affairs, and international business and trade.

The non-licensed degree programs include: Mechanical Engineering, Facilities Engineering Technology, International Business and Logistics, and Global Studies and Maritime Affairs.

Normally, all students, regardless of major, sail on at least one two-month cruise aboard Cal Maritime's ship, the Training Ship *Golden Bear*. Students in licensed programs must complete three cruises - two aboard the training ship and one on a commercial vessel. Engineers in non-licensed programs cruise once on the training ship and participate in two Cooperative Education (Co-Op) programs on land. Students in the International Business and Logistics program, as well as the Global Studies and Maritime Affairs program, complete one Co-Op program on land and may complete an international study program in lieu of the training cruise, depending on space availability in either experience.

At Cal Maritime, all students participating in the Corps of Cadets are required to wear uniforms, attend formations and "stand watch." However, there is no armed service obligation requirement. Military options are available including programs offered by the Coast Guard and Navy. (See section on Military Opportunities.)

Accreditation

Cal Maritime is accredited by the Western Association of Schools and Colleges (WASC), 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, 510-748-9001, www.wascsenior.org. The Marine Engineering Technology and Facilities

Engineering Technology programs are accredited by the Engineering Technology Accreditation Commission (ETAC) of ABET, www.abet.org. The Mechanical Engineering program is accredited by the Engineering Accreditation Commission (EAC) of ABET, www.abet.org. The Business Administration program is accredited by the International Assembly for Collegiate Business Education (IACBE), P.O. Box 25217, Overland Park, KS, 66225, 913-631-3009, www.iacbe.org.

Standards of Training, Certification and Watchkeeping For Seafarers (STCW)

The California State University Maritime Academy deck and engine programs are in compliance with the requirements of the International Convention of the Standards for Training, Certification, and Watchkeeping for Seafarers 1978, as amended.

Mission, Vision, Beliefs and Values

Mission

Cal Poly Solano Campus and the Cal Poly Maritime Academy's mission is to

- provide each student with a college education combining intellectual learning, applied technology, leadership development, and global awareness.
- provide the highest quality licensed officers and other personnel for the merchant marine and national maritime industries.
- provide continuing educational opportunities for those in the transportation and related industries.
- be an information and technology resource center for the transportation and related industries.

Vision

Cal Poly Solano Campus and Cal Poly Maritime Academy will be a leading educational institution recognized for excellence in the business, engineering, operations, and policy of the transportation and related industries of the Pacific Rim and beyond.

Beliefs and Values

Cal Poly Solano Campus and the Cal Poly Maritime Academy is defined, in part, by the system of beliefs that make us unique as an institution of higher education. They are:

- experiential learning
- ethics development, both personal and professional
- small residential campus environment
- student centered learning
- professional orientation
- having a niche to focus on in higher education
- campus civility and collegiality
- diverse living and learning community

Our values influence how we make and carry out decisions, and how we interact with our internal and external constituencies. At Cal Maritime they are *dedication, honor, integrity, respect, responsibility, and trust.*

Cal Maritime's Compass Points

Cal Maritime uses the four points of the compass to symbolize the four key elements of our mission commitment to our students. Namely, intellectual learning, applied technology, leadership development, and global awareness.

Intellectual learning begins with the acquisition of data and culminates in analysis, synthesis, and evaluation. The initial stage is the acquisition of key facts, terms, precepts, and methodologies in a discipline. When these are synthesized, internalized, and integrated, the learner is able to construct a conceptual framework of the field, then reason through new scenarios. One who has mastered such a process will be able to solve problems, apply and evaluate theories, and construct new and meaningful syntheses from facts within the field. The levels of mastery involved in this process will differ according to the student's level of development. The beginning student learns key facts and theories. The intermediate student applies this knowledge to ever more challenging problems.

Finally, the advanced student demonstrates the ability to think critically and learn independently, allowing him or her to acquire insights and make significant achievements throughout life.

Applied technology is the use of direct experiential methods, both in classes and through immersion in professional environments, with the objective of learning the skills, techniques and attitudes appropriate to a student's chosen profession, particularly those aspects of a profession that are difficult to learn through traditional academic coursework. Cal Maritime's intention is that applied technology augment, enrich and supplement traditional classroom lecture and discussion, the intellectual learning. The outcome of these activities builds graduates with professional abilities that allow them to step into their roles in the maritime industry, and also in other industries or government.

Leadership development is informed by the action-oriented, real-world demands of the maritime industry, into which the majority of our graduates enter. Cal Maritime cadets participate in and must complete the Edwards Leadership Development Program at Cal Maritime which is built on a "maritime model" embracing the history, tradition and importance of the seafaring chain of command, while promoting active participation in modern team management practices. The foundation of the program promotes a maritime leader who at all times "does good for the greater good." The maritime leader is a "loyal shipmate," who is ethical, responsive and goal-oriented, who strives for excellence, demonstrates integrity, and is confident, ever-learning, and adaptive. The California State University's emphasis on cultivating critical thinking skills and ethics in its student graduates has provided a vital inroad to more deeply defining effective leadership practices at Cal Maritime. Only active, goal-directed, yet flexible and fluid thinking will allow the Cal Maritime graduate to maintain a competitive edge while navigating his or her course into the future.

Global awareness is based on substantive and applicable knowledge of a wide range of international issues and cultural perspectives. In the international arena, this type of understanding includes an array of issues that can be broken down into broad categories that include international politics and economics, environmental and cultural awareness, and global dynamics. Numerous contemporary issues face the global community, many of which have significant implications for the greater maritime and transportation industries.

These issues range from environmental crises affecting all people to critical political, economic, and social problems that affect much of the world's population. Global dynamics refers to the understanding of how the world's complex political, economic, social, and technological systems interact and operate in conjunction with one another. The interdependence of the members of the international community, and its impact on our students and their future, requires an awareness of global dynamics. Consistent with how we approach the other three points of the mission, global awareness at Cal Maritime is significantly more than academic and classroom-based awareness of the issues facing the world today and the diversity of cultures of the greater society in which we live.

We are committed to an understanding and awareness of global issues experienced firsthand by all of our students. To this end, all students at Cal Maritime are required to spend time abroad as part of their education. This active,

participatory and experiential approach to global awareness makes Cal Maritime unique among many institutions of higher education in the United States.

History of the Academy

Founded in 1929 as the "California Nautical School," the California State University Maritime Academy is in its ninth decade of service as a center for excellence in education and research in maritime trade and transportation.

This school was first located in Tiburon, on the Marin Peninsula north of San Francisco. In 1936, the U.S. Congress passed the Merchant Marine Act, which directed the creation and maintenance of an adequate merchant marine to support U.S. international and domestic commerce, and to meet the needs for national defense. Responding to this mandate, the federal government and the California state legislature began supporting the California Nautical School's mission. In the early days, only three-year deck engineering programs were offered.

In 1939, the school changed its name to California Maritime Academy. In 1940, with war looming, the Academy was relocated to San Francisco. With the start of World War II, the course of study accelerated to 17 months, and many Academy graduates served in the war. In the midst of the war effort, a new permanent home for the academy was established in 1943 on a 67- acre site at Morrow Cove in Vallejo.

In 1973, California Maritime Academy became the first in the nation to enroll women in its licensed maritime program. In 1974, a four-year undergraduate program was established, laying the groundwork for accreditation by the Western Association of Schools and Colleges. Nautical Industrial Technology and Marine Engineering Technology were the four-year majors offered. In the late 1980s, majors in Mechanical Engineering and Business Administration were added, and the Nautical Industrial Technology program was replaced by Marine Transportation.

In 1995, Cal Maritime became a member campus of the California State University (CSU) system. In 1996, Cal Maritime introduced a Facilities Engineering Technology major. A new science and engineering lab building was completed in 1999. The curriculum further expanded in 2003, when the major in Global Studies and Maritime Affairs was introduced. Today, Global Studies and International Business and Logistics major programs are part of Cal Maritime's School of Maritime Policy and Management. Also in 2003, the Academy dedicated its new Technology Laboratory and Classroom Building.

The University has continued to expand its resources and enjoy expanding support from the private sector to meet new challenges. McAllister Hall, a new residence facility named for Robert McAllister (D'42) -the largest individual, private donor to the institution -opened in 2009. The Academy also opened a new state-of-the-art Marine Simulation Center, already one of the world's most advanced facilities for maritime teaching, training, and research. Maritime classification and engineering giant ABS made a $3 million grant to help further strengthen the School of Maritime Policy and Management, a portion of which has been used to create an enhanced and expanded classroom meeting facility.

The University recently constructed a new waterfront Dining Hall and Physical Education and Aquatics Center, featuring new gymnasiums, training rooms, and a maritime survival training center.

Enrollment at Cal Maritime has grown steadily in response to industry demand for skilled, motivated and well-trained graduates with a sense of purpose and global perspective. The future looks strong and bright with continued growth and support from alumni, industry, and friends.

The California State University Board of Trustees took an exciting step on November 1, 2024, voting to approve the CSU Chancellor's recommendation to integrate Cal Poly and California State University Maritime Academy. Effective July 1, 2025, the two institutions will operate as a single university, Cal Poly. Additional information can be found on the Cal Poly Maritime Academy | Cal Poly website.

The California State University

The California State University

The California State University (CSU) is the nation's largest and most diverse four-year public university. With 23 unique universities and seven off-campus centers, the CSU serves more than 460,000 studentsand employs more than 63,000 faculty and staff.

Each year, the university awards nearly 127,000 degrees, changing the trajectory of students' lives by opening doors to opportunities for upward mobility. Nearly one-third of CSU students are the first in theirfamilies to attend college and more than half of CSU students are from traditionally underrepresented backgrounds.

For one of the most affordable tuitions in the country, students learn from world-class faculty, gain valuable hands-on experiences, and receive strong career advising, empowering them to become leaders in the changing workforce.

CSU graduates are serving as leaders in the industries that drive California's economy, including business, agriculture, entertainment, engineering, teaching, hospitality, and health care. To learn more, visit the California State University website.

A Tradition of Excellence for More than Six Decades

Since 1961, the CSU has provided an affordable, accessible, and high-quality education to millions of Californians. While each university is unique based on its curricular specialties, location and culture, every CSU is distinguished for the quality of its educational programs. All CSUs are fully accredited, provide a high-quality broad liberal educational program and offer opportunities for students to engage in university life through the Associated Students, Inc., clubs and service learning.

Facts

- Today, one in every 20 Americans with a college degree is a CSU graduate.
- 1 in every 10 employees in California is a CSU graduate.
- The CSU's network of moren than 4 million alumni is larger thatn the population of 23 U.S. states.
- The CSU awards nearly half of the bachelor's degrees earned in California.
- The CSU awards more than one-quarter of California's baccalaureate nursing degrees.
- Between 2017 and 2022, the CSU prepared more of California's teachers than any other institution.
- About four percent of the nation's teachers graduate from CSU.
- In 2022-23, the CSU students earned nearly 20,000 undergraduate business degrees and more than 7,300 engineering degrees.
- The CSU offers more than 4,000 degree programs that align with the state's worforce demands.
- The CSU's online concurrent enrollment program gives students the ability to enroll in courses offered by other universities in the CSU system.
- Through CSU community enagement centers, 33,765 students participated in service-learning, contributing more than 656,000 hours of service in 2022-23.

Governance

The CSU is governed by the Board of Trustees, most of whom are appointed by the governor and serve with faculty and student representatives. The CSU Chancellor is the chief executive officer, reporting to the Board. The presidents serve as the university-level chief executive officers. The Trustees, Chancellor and presidents develop university-

wide educational policy. The presidents, in consultation with the CSU Academic Senate and other university stakeholder groups, render and implement local policy decisions.

CSU Historical Milestones

The individual California State Colleges were established as a system with a Board of Trustees and a Chancellor in 1960 by the Donahoe Higher Education Act. In 1972, the system was designated as the California State University and Colleges, and in 1982 the system became the California State University (CSU). Today, the CSU is comprised of 23 member universities, including comprehensive and polytechnic universities and, since July 1995, the California State University Maritime Academy, a specialized university.

The oldest university-San José State University-was founded in 1857 and became the first institution of public higher education in California. The newest-California State University Channel Islands-opened in fall 2002, with freshmen arriving in fall 2003. And in 2022, the CSU in Humboldt campus became California State Polytechnic University, Humboldt, joining San Luis Obispo and Pomona as the state's third public polytechnical university.

In 1963, the CSU's Academic Senate was established to act as the official voice of CSU faculty in university wide matters. Also, the California State College Student Presidents Association-which was later renamed the California State Student Association (CSSA), was founded to represent each university student association on issues affecting students.

Through its many decades of service, the CSU has continued to adapt to address societal changes, student needs and workforce trends. While the CSU's core mission has always focused on providing high-quality, affordable bachelor's and master's degree programs, over time the university has added a wide range of services and programs to support student success - from adding health centers and special programs for veterans to building student residential facilities to provide a comprehensive educational experience.

In 2010, in an effort to accommodate community college transfer students, the CSU, in concert with the California Community Colleges (CCC), launched the Associate Degree for Transfer (ADT), which guarantees CCC transfer students with an ADT admission to the CSU with junior status. The ADT has since proven to be the most effective path to a CSU for community college transfer students. In 2023, the CSU launched the Transfer Success Pathway program to guarantee future CSU admission to high school graduates who are entering a California community college and who commit to transferring within three years.

Always adapting to changes in technology to support student learning and degree completion, the CSU launched CSU Fully Online,which enables CSU students to complete online courses at other CSUs, expanding enrollment opportunities and providing educational opportunities for students who prefer an online format to a traditional classroom setting.

The CSU marked a significant educational milestone when it broadened its degree offerings to include doctoral degrees. The CSU independently offers Doctor of Education (Ed.D), Doctor of Physical Therapy (DPT), Doctor of Audiology (AuD), and Doctor of Nursing Practice (DNP) and Doctor of Occupational Therapy (OTD) degree programs. Additionally, the CSU was recently authorized to offer the independent Doctor of Public Health (Dr.PH). A limited number of other doctoral degrees are offered jointly with the University of California and private institutions in California.

The CSU strives to continually develop innovative programs, services and opportunities that will give students the tools they need to meet their full potential. In 2015, the CSU system launched Graduation Initiative 2025, a bold plan to support students, increase the number of California's graduates earning high-quality degrees and eliminate achievement and equity gaps for all students. Through this initiative, the CSU is ensuring that all students have the opportunity to graduate according to their personal goals, positvely impacting their lives, familes and communities.

By providing an accessible, hands-on education that prepares graduates for career success, the CSU has created a network of alumni that is so extensive and renowned that it spans across the globe. More than 4 million CSU alumni are making a difference in the lives of the people of California and the world.

Trustees of the California State University

Ex Officio Trustees

The Honorable Gavin Newsom
Governor of California

The Honorable Eleni Kounalakis
Lieutenant Governor of California

The Honorable Robert Rivas
Speaker of the Assembly

The Honorable Tony Thurmond
State Superintendent of Public Instruction

Dr. Mildred Garcia
Chancellor, California State University

Officers of the Trustees

The Honorable Gavin Newsom - President

Jack B. Clarke, Jr. - Chair

Diego Arambula - Vice Chair

Steve Relyea - Treasurer

Andrew Jones - Secretary

Appointed Trustees

Appointments are for a term of eight years, except student, alumni, and faculty trustees whose terms are for two years. Terms expire in the year in parentheses. Names are listed alphabetically.

Larry L. Adamson (2026)

Diana Aguilar-Cruz (2024)

Raji Kaur Brar (2029)	Jack B. Clarke Jr. (2027)
Douglas Faigin (2025)	Jean P. Firstenberg (2026)
Wenda Fong (2032)	Mark Ghilarducci (2031)
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Julia I. Lopez (2028)	Jonathan Molino Mancio (2025) (S)
John "Jack" McGrory (2031)	Sam Nejabat (2027)
Yammilette Rodriguez (2029)	Christopher J. Steinhauser (2026)
Jose Antonio Vargas (2030)	Darlen Yee-Melichar (2025) (F)

Correspondence with Trustees should be sent to:
c/o Trustees Secretariat

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401 Golden Shore
Long Beach, CA 90802-4210

The California State University Office of the Chancellor

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562-951-4000

Dr. Mildred Garcia - Chancellor

Mr. Andrew Jones - Executive Vice Chancellor, General Counsel

Mr. Steve Relyea - Executive Vice Chancellor and Chief Financial Officer

Mr. Frank Hurtarte - Vice Chancellor for Human Resources and Chief HR Officer

Mr. Vlad Marinescu - Vice Chancellor and Chief Audit Officer

Mr. Greg Saks - Vice Chancellor, External Relations and Communications

Dr. Nathan Evans - Deputy Vice Chancellor, Academic and Student Affairs, Chief Academic Officer

Dr. Dilcie Perez - Deputy Vice Chancellor, Academic and Student Affairs, Chief Student Affairs Officer

Ms. Danielle Garcia - Associate Vice Chancellor and Chief of Staff, Executive Office

Ms. Michelle Kiss - Associate Vice Chancellor and Chief of Staff, Board of Trustees

The California State University System

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Administrative Offices

Office of the President

President	Jeffrey D. Armstrong
President's Executive Assistant	Tari Houston-Collin
Associate Vice President, University Affairs & Chief of Staff	Karyn Cornell
Deputy Chief of Staff	Chelsea McClain

Athletics

Director	Karen Yoder
Associate Director	Matthew J De Trane
Assistant Director	Jeffrey S Ward
Head Men's Basketball Coach	Colin Johnson
Aquatics Coordinator	

Office of Executive Dean of Academic Affairs

Executive Dean of Academic Affairs	Dr. Dinesh Pinisetty
Confidential Assistant	Samantha Koekemoer
Dean of Strategic & Academic Planning	Dr. Graham Benton
Director, International Programs	Julie Chisholm
Senior Director, Learning and Academic Technology	Jase Teoh
Director, USCG Licensing Programs	Robyn Christoper
Director, Institutional Research	Gary Moser

College of Engineering

College of Liberal Arts

College of Business

Bailey College of Science and Mathematics

Orfalea College of Business

College of Agriculture, Food and Environmental Sciences

Admissions

Director of Admissions	
Associate Director of Transfer	
Manager for Enrollment and Marketing	Larry Martin

Financial Aid Office

Director	Saul Ramirez
Associate Director	

Library

Supervising Liberarian	Amber Janssen

Office of the Registrar

Registrar	Cem Sunata

Sponsored Projects and Extended Learning

Extended Learning	Graham Benton
AVP, Golden Bear Research Center	Christopher Brown

Office for Administration and Finance

Chief Financial Officer	

Enterprise Services

Associate Vice President, Enterprise Services	vacant
Director, Dining Services	Orlando Torres
General Manager	Karen Goble
Manager, Bookstore	Irene Tjokro

Facilities Management

Senior Director, Facilities Management	Michael A. Murray
Director, Facilities Operations	Uber McCrary

Fiscal Services and Budget

Controller	
Accounting Manager	
Director, Contract and Procurement	Lorrie Dineen-Thackeray
Manager Environmental Health & Safety	Craig Dawon
Senior Budget Analyst	

Human Resources

Director, Human Resources	Marie E. Hernandez

Information Technology

Acting Chief Information Officer	Michael Lam

Police Services

Interim Chief of Police	Clint Strode

Office of Marine Programs

Captain, Training Ship *Golden Bear* and Director of Marine Programs	Captain Samar Bannister
Chief Engineer, Training Ship *Golden Bear*	Adam Kleitman
Chief Mate, Training Ship *Golden Bear*	Doug Nagy
Waterfront Manager	Robert James Brown

Office for Advancement

Director, Public Affairs and Communications	
Director, Annual Giving & Alumni Relations	Domini M. Maffei Schmid
Senior Director Advancement Operations	
Senior Development Director & Campaign Manager	Janice Bross

Office of Student Affairs and Strategic Enrollment Management

Vice President, Student Affairs and Strategic Enrollment Management	Terrance Harris
Confidential Assistant	
Dean of Students	Lennon Prothro-Jones
Executive Director, Student Activities	Josie Alexander
Director of Community Standards and Discipline	Lennon Prothro-Jones
Disability Resources Advisor	DeAna S. Vides
Director of Inclusion Initiatives & EOP Program	Meagan Nance

Career Services

Director	Stephanie Francis

Student Health Center

Director	
Assistant Director of Counseling	Ian Wallace

Cadet Affairs

Educational Opportunity Program Coordinator (EOP)	Jalen Chavez
Community Engagement Specialist	JoEllen Myslik

Office of Cadet Leadership and Development

Director of Cadet Leadership and Development	Jason Harcum
Assistant Director of Cadet Leadership and Development	Craig Heinkke

University Faculty

A | B | C | D | E | F | G | H | I | J | K | L | M | N | O | P | Q | R | S | T | U | V | W | X | Y | Z |

Aldrich, Joel (2023)

Maritime Vocational Lecturer
M.S., Global Leadership, University of San Diego, 2012
Master Certificate, Supply Chain Mgmt., University of San Diego, 2014
B.S., Business and Marine Transportation, Cal Maritime, 2001
A.S., Marine Engineering, College of Oceaneering, 1998
USCG Third Navigation Officer-Unlimited License
PADI Master Instructor-SCUBA/Rebreather/ Technical Diving

Angle, Bradley (2025)

Maritime Vocational Lecturer
B.S., Management, San Francisco State University, 2012
M.B.A., San Francisco State University, 2014
Master 500 GRT GL/IL
200 GRT NC

Bachkar, Khalid (2010)

Professor
B.A., Business Administration, Hassan II University, Morocco, 1999
M.A., Information Systems, Shippensburg University, PA, 2005
Ph.D., Transportation and Logistics, North Dakota State University, 2010

Bagheri, Nader (1990)

Professor
B.S., Mechanical Engineering, California State University, Fresno, 1981
M.S., Mechanical Engineering, University of California, Davis, 1984
Ph.D., Mechanical Engineering, University of California, Davis, 1989
Professional Engineer, California

Baliantz, Eric (2025)

Maritime Vocational Lecturer
B.A. Cultural Anthropology, University of California, Davis, 2009
M.S. Columbia University, City of New York, Journalism School, 2007
Master Mariner, Unlimited Tonnage

Bartlett, Carlton E., LT, USN (2023)

SSO Instructor
Naval Science Department
B.S., Marine Transportation, California Maritime Academy, 2018
B.S., International Business and Logistics, California Maritime Academy, 2018
2nd and 3rd Mate License, Unlimited Horsepower and Tonnage

Breland, Gwendolyn (2025)

Maritime Vocational Lecturer
B.S., Geography, University of Southern Mississippi, 1986
B.S., Marine Transportation, California Maritime Academy, 2000
M.A., National Security and Strategic Studies, US Naval War College, 2017
*Third Mates License

Browne, Steven D. (2004)

Professor
B.A., Computer Studies, Northwestern University, 1989
M.E.M., Engineering Management, Northwestern University, 1997
Master Mariner, Unlimited, Any Ocean

Calnan, Kevin (2018)

Assistant Professor
B.S., Marine Transportation, State University of New York Maritime College, 2016
Chief Mate, Unlimited Tonnage (Oceans)

Chiego, Christopher (2021)

Assistant Professor
B.A. International Affairs, University of Georgia, 2009
B.A. History, 2010, University of Georgia, 2010,
M.A. Political Science, University of California, San Diego, 2012
PhD., Political Science, University of Pennsylvania, 2020

Clyatt, Thomas (2010)

Lecturer
B.S. Marine Engineering Technology, California State University Maritime Academy, 1982

Colette, Tamara (2015)

Associate Professor
B.S., Marine Transportation, California Maritime Academy, 2007
M.S., Environmental Policy and Management, American Public University, Charles Town, WV, 2018
Master Mariner, Unlimited, Any Ocean

Dewey, Colin D. (2013)

Professor
B.A., English, University of California, Berkeley, 2003
M.A., English, Cornell University, 2008
Ph.D., English, Cornell University, 2011
200-Ton Master, Near Coastal
1600-Ton Mate, Near Coastal
Able Bodied Seaman, Unlimited

Dudman, Matthew (2008)

Lecturer
B.A., International Relations (Minor in French), University of California, Davis, 1990
M.B.A., University of California, Davis, 1993
J.D., Tulane Law School, New Orleans, LA, 1996
LL.M., Taxation, Golden Gate University, San Francisco, CA, 2000

Evans, Tyler, LT, USN (2024)

SSMP Officer in Charge
Naval Science Department

Fairbanks, Matthew (2011)

Professor
B.A., Physics, Oberlin College, 2003
M.S., Physics, University of Oregon, 2007
Ph.D., Physics, University of Oregon, 2010

Filmer, Alice (2025)

Lecturer
B.A. Music, University of California, Riverside, 1978
M.A. Speech Communication: Discourse Analysis, San Francisco State University, 2000
PhD., Communications: Linguistics and Cultural Studies, University of Illinois, Urbana-Champaign, 2008

Fischer, Jonathan (2006)

Associate Professor
B.S., Biomechanics Engineering, University of Pittsburgh, PA, 2002
B.A., History of Science, University of Pittsburgh, PA, 2002
M.S., Mechanical Engineering, UC Berkeley, 2004

Frick, Christopher (2005)

Lecturer
B.A., English, Colorado College, Colorado Springs, CO, 1995
M.A., Literature, New Mexico State University, Las Cruces, NM, 1997
Ph.D., 19th-Century British Literature, University of South Carolina, Columbia, SC, 2003

Grover, David (2013)

Lecturer
A.S. Machine Tool Technology, College of San Mateo, 1979

Gonzales, Patrick A. (2023)

Maritime Vocational Lecturer
A.A., Liberal Arts, Solano College, Fairfield, CA, 2009
B.S., Marine Transportation w/Minor in Maritime Affairs, California Maritime Academy, 2018
3rd Mate License

Gutkina, Olga (2012)

Lecturer
B.S., Mathematics and Physics, Vitebsk, Belarus (USSR), 2005
M.A., Mathematics, San Francisco State University, 2011

Hadian, Jeff (2014)

Lecturer
PhD., Engineering Science, Virginia Polytechnic Institute, 1992

Hartman, Lauren (2015)

Lecturer
B.F. A., Columbus College of Art and Design, Columbus, OH, 2004
M.F. A., San Francisco Art Institute, 2010

Hasson-Snell, Antony (2001)

Professor
B.S., Mechanical Engineering, University College, London, 1983

M.S., Marine Mechanical Engineering, University College, London, 1984
Ph.D., Aerospace Engineering, University of Minnesota, 1991

Hayes, Peter J. (2001)

Professor
B.S., Marine Transportation, Texas A&M University at Galveston, 1988
M.A., Public and Private Management, University of Houston, Clear Lake, 1999
J.D., Concord Law School, 2007
Master Mariner, Unlimited, Any Ocean

Holden, Michael (2007)

Professor
B.S., Aeronautical and Mechanical Engineering, English Minor, University of California, Davis, 1992
M.S., Aeronautics and Astronautics, Stanford University, 1994
Ph.D., Aeronautics and Astronautics, Stanford University, 1999

Huang, Li-Hsuan (2024)

Lecturer
B.A. Mathematics, Business Administration, California State University, Fullerton, 2011
Postgraduate Work, Applied Mathematics, California State University, Northridge, 2013
PhD., Applied Mathematics, University of California, Merced, 2018

Inoue, Taiyo (2009)

Professor
B.S., Mathematics, University of California, Davis, 2000
Ph.D., Mathematics, University of California, Berkeley, 2007

Jackson, Robert (2000)

Lecturer
B.S., Marine Engineering, California Maritime Academy, 1976
Chief Engineer, Steam, Motor, and Gas Turbine
Vessels, Unlimited Horsepower

Janssen, Amber (2015)

Associate Librarian
B.A., Technical and Professional Writing, San Francisco State University, 2003
MLIS, Library and Information Science, San Jose State University, 2011

Jefferson, Albert (2007)

Lecturer
M.S., Mechanical Engineering, California State University Sacramento, 2007

Johnson, Tracey (2013)

Lecturer
B.S., Physics and Mathematics, California State University, Chico, 1988
M.S., Physics, University of California, Davis, 1996

Kamdar, Nipoli (2010)

Professor
B.A., Economics and Statistics, St. Xavier's College, Bombay University, India, 1985
M.A., Economics, Syracuse University, 1992
Ph.D., Economics, Syracuse University, 1993

Kazek, Michael S. (2008)

Associate Professor (2015)
B.S., Marine Engineering, U.S. Coast Guard Academy, 1984
M.S.E., Naval Architecture and Marine Engineering, University of Michigan, 1986
M.S.E., Mechanical Engineering, University of Michigan, 1986

Kielar, Stephen (2021)

Lecturer
A.S. General Studies, Mohawk Valley Community College, Utica, NY
B.A. Anthropology, State University of New York, Oswego, NY
M.S. Marine Biology: Focus on Scientific Teaching, San Francisco State University

Kreta, Stephen (1985)

Lecturer
Professor Emeritus
B.S. Marine Engineering Technology, California State University Maritime Academy, 1979
M.S. Industrial and Systems Engineering, San Jose State University, 1988

Lewis, Nicholas R. (2016)

Maritime Vocational Lecturer-Professional
B.S., Marine Transportation, U.S. Merchant Marine Academy, 1993
Master Mariner, Unlimited, Any Ocean

Lewis, Tony C. (2013)

Associate Professor
B.A., Political Science, University of Minnesota-Duluth, 2003
M.B.A., Business Administration, University of Minnesota-Duluth, 2007
Ph.D., Management, University of Wisconsin-Milwaukee, 2013

Lim, Yuan (2024)

Lecturer
B.S. Mathematics, University of Melbourne, Australia, 1987
M.S. Mathematics, University of Melbourne, Australia, 1989
M.A. PhD., Mathematics, Columbia University, New York, 1995

Lipset, James M. (2023)

Maritime Vocational Lecturer
B.S., Marine Operations and Technology, U.S. Merchant Marine Academy, 2006
Master Mariner, Unlimited, Any Ocean
Master Towing Vessels, Any Ocean

Long, Steffan (2017)

Lecturer
Machine Technology Certificate, Diablo Valley College, 2002
B.A., Language Studies, University of California Santa Cruz, 1989

Luce, Katherine (2019)

Senior Assistant Librarian
B.A. Renaissance Studies, Yale University, New Haven, CT, 1986
M.A. English and American Literature, Mills College, Oakland, CA 1991
MLIS, San Jose State University, San Jose, CA, 2010

Mandernack, Kevin (2018)

Professor
B.S. Zoology and Geology, University of Wisconsin-Madison, WI, 1983
PhD., Marine Biology/Biogeochemistry, University of California, San Diego, Scripps Institution of Oceanography, 1992

Marocchino, Kathryn (1990)

Professor
B.A., Languages and Business Administration, Santorre di Santarosa Technical Institute, Turin, Italy, 1972
Ph.D., Modern Foreign Languages and Literature, University of Turin, 1979
Fellow in Thanatology: Death, Dying and Bereavement, 2005

Martin, Chelsea C. (2023)

Maritime Vocational Lecturer
B.S., Marine Transportation, California Maritime Academy, 2011
Master Mariner, Unlimited

McDevitt, Anthony (2023)

Assistant Professor
B.S., Marine Transportation, California Maritime Academy, 1995
Master Mariner, Unlimited, Any Oceans

McNie, Elizabeth C. (2017)

Associate Professor
B.S., Marine Transportation, CSU Maritime Academy, 1994
M.A., Psychology, Sonoma State University, 2001
Ph.D., Environmental Studies, University of Colorado, Boulder, 2008
Second Mate, Unlimited, Any Ocean
1600-Ton Master, Any Ocean

Metz, Jennifer (2008)

Lecturer
B.A., History, California State University, Sacramento, 2004
M.A., History, University of California, Davis, 2007
Fellow, National Endowment for the Humanities, Munson Institute in Maritime Studies, 2014

Miller, Rebecca (2017)

Instructor/Chief Medical Officer
B.A., Anthropology, Pennsylvania State University, 1997
M.A., Anthropology and Demography, Pennsylvania State University, 2000
Doctor of Medicine, Drexel University College of Medicine, 2008
Residency Dept. Emergency Medicine, Temple University Hospital, 2011
Integrative Medicine Fellowship, University of Arizona, 2016
American Board of Emergency Medicine Board Certified
MMC

Mohammadpour, Maryam (2023)

Assistant Professor
B.S. Naval Architecture Engineering, Persian Gulf University, Booshehr, Iran, 2015
M.S. Mechanical / Marine Engineering, Sharif University of Technology, (SUT), Tehran, Iran, 2017
PhD., Ocean Engineering, University of Rhode Island, Kingston, RI, 2023

Moorhead, Keir (2015)

Maritime Vocational Instructor III
B.S., Mechanical Engineering, California Maritime Academy, 2004
Third Assistant Engineer, Steam, Motor, and Gas Turbine Vessels, Unlimited Horsepower

Nordenholz, Thomas R. (1998)

Professor
B.S., Mechanical Engineering, State University of New York at Buffalo, 1990
M.S., Mechanical Engineering, UC Berkeley, 1995
Ph.D, Mechanical Engineering, UC Berkeley, 1998

Nosker, Zachary (2023)

Assistant Professor
B.S., Electrical Engineering, San Francisco State University, 2005
Ph.D., Electronics and Informatics, Kiryu, Gunma Japan, 2014

Oppenheim, Tomas (2014)

Associate Professor (2015)
B.S., Mechanical Engineering, Loyola Marymount University, 2007
Ph.D., BioNano/Engineering, University of Cambridge, 2011

Parker, Alexander E. (2013)

Professor
B.A., Biology, University of Colorado, 1995
Ph.D., Oceanography, University of Delaware, 2004

Parsons, Amy C. (2013)

Professor
B.A., English, Sonoma State University, 1995
M.A., English, University of California, Irvine, 1999
Ph.D., English, University of California, Irvine, 2007

Pearl, Shaina S. (2025)

Maritime Vocational Lecturer
B.S., Marine Transportation, California Maritime Academy, 2011
M.S., Transportation and Engineering Management, California Maritime Academy, 2018
2nd Mate, Unlimited Tonnage

Pearson, III, Samuel B. (2018)

Associate Professor
B.S., Nautical Science, Maine Maritime Academy, 1991
M.S., Maritime Management, Maine Maritime Academy, 1993
Chief Mate Unlimited, Any Ocean
Master 1600 Tons, Any Ocean
Master, Towing Vessel

Pecota, Samuel R. (2001)

Professor
B.S., Nautical Science, US Merchant Marine Academy, 1980
M.A., Transportation Management, American Military university, 2005
Master Mariner, Unlimited, Any Ocean

Runyon, Steven T. (2010)

Associate Professor
B.A., Molecular and Cell Biology, University of California, Berkeley, 1993
Ph.D., Chemistry, University of California, Santa Cruz, 2001

Satterwhite, David (2019)

Assistant Professor
B.S. Marine Engineering Technology, California State University Maritime Academy, 2003
M.S. Engineering Management, California State University Northridge, 2021

Schneider, Jack (2024)

Lecturer
B.S., Marine Engineering, Maine Maritime Academy, 1996

Senk-Auton, Sarah (2016)

Associate Professor
B.A. Literature, Yale University, 2003
M.St., English, University of Oxford, United Kingdom 2004
Ph.D., Comparative Literature, Cornell University, 2011

Setniker, Ariel (2019)

Assistant Professor
B.S. Mathematics, Western Oregon University, 2013
M.S. Mathematics, University of Nebraska-Lincoln, 2015
PhD., Mathematics, University of Nebraska-Lincoln, 2019

Shackman, Joshua (2017)

Associate Professor
B.A., Economics, University of Michigan, 1992
M.A., Economics, University of California, Los Angeles, 1993
Ph.D., Economics, University of California, Los Angeles, 2001

Sinha, Aparna (2016)

Associate Professor
B.A. English, University of Delhi and Pittsburg State University, KS, 2004
M.A. English Literature, Pittsburg State University, KS, 2007
M.A. Applied Linguistics (TESOL Certificate), California State University, Sacramento, CA, 2009
PhD., Education: Language, Literacy and Culture, University of California, Davis, CA, 2014

Skoll, Amy (2021)

Assistant Professor
B.A. Political Science, Cal Poly, San Luis Obispo, CA, 2012
MB.A., Business Administration, Cal Poly, San Luis Obispo, CA, 2013
PhD., Political Science: International Relations, University of California, Davis, CA, 2021

Sparks, Jonathan, LT, USN (2024)

SSMP Asst. Officer in Charge
Naval Science Department
B.S., Mechanical Engineering University of California, Irvine 2018

Starr, Scott (2017)

Lecturer
B.A. English, Santa Clara University, 1996
M.A. English and Creative Writing, Hollins University, 2001

Strange, Michael (2008)

Associate Professor
B.S., Mechanical Engineering, San Diego State University, 1984
M.S., Mechanical Engineering, Stanford University, 1986

Traub, Elizabeth (2017)

Lecturer
B.S., Mathematics, California Polytechnic State University, Pomona 2004
M.S., Educational Leadership, Western Governor's Univeristy, 2021

Trevisan, Cynthia S. (2008)

Professor
B.S., Physics, Universidad de Buenos Aires, Argentina, 1994
Ph.D., Physics, University of London, University College London, United Kingdom, 2002

Tsai, William (2013)

Associate Professor
B.S., Mechanical Engineering, University of California, Berkeley, 2003
M.S., Mechanical Engineering, University of California, Berkeley, 2006
Ph.D., Mechanical Engineering, University of California, Berkeley, 2009

Verlaak, Zoë (2023)

Lecturer
B.S., Geology, Ghent University, Belgium, 2009
M.S., Geology, Ghent University, Belgium, 2011
Ph.D., Geosciences, Florida International University, 2019

Wade, Ryan (2006)

Associate Professor
B.S., Political Science, Santa Clara University, 1997
Ph.D., Political Science, University of California, Davis, 2009

Wainwright, David (2023)

Lecturer
B.S., Nautical Industrial Technology, California Maritime Academy, 1978
M.A., English, The Writer's Craft Holy Names University, 2014
MF.A., Creative Writing, Playwriting, San Francisco State University, 2022

Ward, Margaret S. (2019)

Assistant Professor
B.A., Philosophy w/Minor Economics, Northeastern University, 2011
M.S., International Transportation Management, SUNY Maritime College, 2015
2nd Mate, Unlimited, Any Ocean

Wright, Daniel M. (2025)

Maritime Vocational Lecturer
B.S., Marine Transportation, California Maritime Academy, 2004
1600 Ton Master Oceans, Towing

Yip, Frank (2012)

Professor
A.B., Chemistry, Princeton University, 2002
M.S., Chemistry, University of California, Berkeley, 2004
Ph.D., Theoretical Chemistry, University of California, Berkeley, 2008

Professor Emeriti

Kitazono, Lloyd - Sciences and Mathematics

Kreta, Stephen - Engineering Technology

Leyda, Paul - Marine Transportation

Mampaey, Carl - Sciences and Mathematics

McLemore, Albert S. - Engineering Technology

Nincic, Donna - Maritime Policy and Management

Viargues, A. René - Culture and Communication

Wheeler, James - Sciences and Mathematics

Academic Programs

Cal Maritime has three schools:The School of Letters and Sciences, the School of Engineering and the School of Maritime Transportation, Logistics, and Management.

School of Letters and Science

The mission of the School of Letters and Sciences is to play a formative role in every student's baccalaureate degree. As the intellecutral foundation of the university, our programs encourage intellectual, professional and ethical growth in each student We seet to cultivate habits of inquiry through collaboration, creativity and discovery in and beyond the classroom. We view environmental stewardship, cultural awareness and political responsiblity as essential to developing the probel-solving skills, scientifc reasoning, and leadership qualities vital to student success in an ever changing, global community.

School of Engineering

The mission of the School of Engineering is to provide each student with a world class education and experiential training in engineering and applied technology. The School of Engineering prepares studetns for a lifetime of learning and successful careers in engineering and maritime related fileds while instilling values, vision, and skills to enable them to become future leaders and problem solvers in order to advance the science and technology of the engineering profession.

School of Maritime Transportation, Logistics, and Management (MTLM)

The mission of the School of Maritime Transportation, Logistics, and Management is to instill students with the necessary knowledge, practical skills, judgement and chracter needed to broaden their horizons and become ethical leaders in the global maritime marketplace. Students will learn through a balance of theoretical knowledge and experiential learning and benefit from unique educational platforms and experienced faculty who are recognized experts in their fields.

Cal Maritime offers rigorous academic programs in the areas listed below. The catalog links lead to program descriptions, learning outcomes and courses required for each offerring.

Bachelor of Arts

- Global Studies and Maritime Affairs, B.A.

Bachelor of Science

- Business Administration, B.S.
- Facilities Engineering Technology, B.S.
- Marine Engineering Technology with Third Assistant Engineer's/OICEW License, B.S.
- Marine Transportation with Third Mate's/IOCNW License, B.S.
- Mechanical Engineering, B.S.
- Mechanical Engineering with Third Assistant Engineer's License option, B.S.
- Oceanography, B.S.

Minor

- Business Administration Minor
- Global Studies and Maritime Affairs Minor
- Law Minor
- Marine Science Minor
- Mathematics Minor
- Naval Science Minor

Master of Science

- Transportation and Engineering Management - Engineering Management Concentration, M.S.
- Transportation and Engineering Management - Humanitarian Disaster Management Concentration, M.S.
- Transportation and Engineering Management - Transportation Concentration, M.S.

License

- Cal Maritime offers licensed programs for the Third Mate or Third Assistant Engineer license of the United States Coast Guard. Licenses are issued at graduation upon successfully completing the appropriate baccalaureate degree and passing the United States Coast Guard licensing examination.
- Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or tax payer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees, or any associated costs, to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Coordinator of the STCW Program, Student Services Building, (707) 654-1297.

Certificate

- Engineering students who pass the Fundamentals of Engineering examination receive an Engineer-In-Training Certificate.
- Students completing ET 342 are eligible to take a written exam for professional certification as EPA Universal Technicians.

Academic Departments

Athletics

For complete information on the Athletics Department please visit the department website.

Intercollegiate Athletics

Intercollegiate athletics at Cal Maritime provides an active link with other college campuses and is an important part of our co-curricular education program. A variety of sports are available for men and women. Men's teams compete in basketball, crew, golf, rugby, sailing, soccer, and water polo. Women's teams compete in basketball, crew, sailing, and water polo.

The athletic teams are known as the Keelhaulers, an old sailing term. This unique name has generated considerable publicity for Cal Maritime over the years, including a listing as one of the top 25 collegiate nicknames in the country.

Approximately one fourth of the student body participates in one or more intercollegiate sports each year. In order to be eligible, student athletes must maintain a minimum cumulative GPA of 2.0 or higher.

A new state-of-the-art physical education complex was completed and opened in October 2014. The Bodnar athletic field has been renovated, with the addition of a turf field, two-lane running track, and updated lighting.

In addition to a staff of dedicated coaches, Cal Maritime has a National Athletic Trainers' Association (NATA) certified athletic trainer who oversees a recently expanded training room with state-of-the-art equipment.

Cal Maritime is a member of the National Association of Intercollegiate Athletics (NAIA) and competes as a charter member of the California Pacific Conference. The Keelhaulers are also part of the Collegiate Water Polo Association, Western Intercollegiate Rowing Association (WIRA), Pacific Coast Intercollegiate Yacht Racing Association (PCIYRA), and USA Rugby.

Physical Education Program

As time and academic schedules allow, students participate in a variety of physical education classes in swimming, sailing, weight lifting, and the martial arts.

Classes are also offered to help students improve their quality of life, focus on nutrition, fitness, and weight management. In these classes goals are set and students receive specialized, tailor-made counseling from their instructors.

Intramurals and Recreation

Intramural and recreational programs have traditionally been an important part of life at Cal Maritime. Activities include competition between divisions in flag football, basketball, indoor soccer, volleyball, and softball. Individual tournaments are held in a variety of sports, including tennis, badminton, table tennis, swimming, weight lifting, and fun runs.

Available facilities include: playing fields, sports courts, an outdoor 50-meter Olympic-sized swimming pool, a gymnasium for basketball and volleyball, an Olympic free-weight and circuit training room, and cardio room.

The outdoor heated pool is available to students several hours a week with a certified lifeguard present, as are the weight training and cardio rooms for use with supervision.

During the annual summer training cruises aboard the Training Ship *Golden Bear*, students and staff have access to a well-equipped state-of-the-art exercise and weight room equipped with a variety of bicycle and rowing ergometers and weight machines, along with mirrors and a TV monitor for viewing exercise videos.

Club Sports

The director of Athletics and Recreation also oversees clubs sponsored by the Associated Student Body. These include lacrosse, volleyball, cycling, and fencing.

Department of Engineering Technology

Faculty

Associate Professors:
Jonathan Fischer; Michael Kazek; David Satterwhite;Michael Strange; William Tsai (Department Chair)

Assistant Professors:
Zachary Nosker

Maritime Vocational Instructor IV:

Maritime Vocational Instructor III:
Keir Moorhead

Maritime Vocational Instructor I:

Lecturers:
David Grover; Steffan Long; Steve Kreta; Robert Jackson; Albert Jefferson; Rebecca Miller

Professor Emeritus:
Albert S. McLemore

The Department of Engineering Technology offers two unique degree programs: Facilities Engineering Technology and Marine Engineering Technology. Both programs share a common educational philosophy that supports the compass points of Cal Maritime's mission: intellectual learning, applied technology, leadership development, and global awareness.

Intellectual learning is achieved in the classroom, beginning with a foundation in mathematics and the physical sciences, and progressing to the engineering sciences of materials, solid and fluid mechanics, thermodynamics, electricity, electronics, system controls and power engineering. General education courses in written, oral, and digital communications, humanities and social sciences round out the curriculum.

Engineering laboratories, power plant simulators, sea training and industry internships afford students the opportunity to apply the principles of engineering technology in real-world operations and maintenance. Other practical competencies are attained in manufacturing processes through coursework in engineering graphics, machine shop, and welding.

Students gain practical experience as leaders in small working groups in the classroom, laboratory, and power plant simulators, and also as members of watch teams aboard ship,. Leadership skills may be further developed through active participation in the Corps of Cadets, sport teams, and campus clubs.

Voyages aboard the Training Ship *Golden Bear* and internship opportunities, afford the students opportunities to experience cultures around the world. To foster a responsible approach to environmental stewardship, Engineering Technology coursework explores advanced engine technologies for emission abatement, alternative fuels, and renewable energy resources. Through the practical training, leadership development, and qualifying professional examinations included in both curricula, graduates of the two Engineering Technology majors are "work ready" upon graduation.

Bachelor of Science

Facilities Engineering Technology, B.S.

The Facility Engineering Technology (FET) major provides an undergraduate education for industrial engineers employed in large-scale facilities; commercial buildings, power plants and manufacturing facilities. The curriculum provides a foundation in the fundamentals of mechanical and electrical system engineering, as well as practical training in the operation and maintenance of real-world commercial and industrial facilities.

The FET program has the following program education objectives:

- Graduates will have the knowledge and ability to perform analysis, applied design, and development of systems and processes that support the effective operations of facilities.
- Graduates will have the knowledge and ability to manage and lead technical activities in the facilities and power industries.

- Graduates will have the knowledge and ability to function effectively as leaders on professional teams.
- Graduates will have the knowledge and ability to communicate effectively with speaking, writing, and presentation skills including the ability to put together a compelling argument.
- Graduates will demonstrate a respect for professional, ethical, and social issues as well as a commitment to safety, quality and productivity.

The FET curriculum includes three practical training experiences; one sea training period aboard Training Ship *Golden Bear* and two industry co-operative education opportunities.

The Facilities Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, under the General Criteria.

FET Curriculum Roadmap

2025-26 Facilities Engineering Technology Divisions 1 and 2 Curriculum Roadmap

2025-26 Facilities Engineering Technology Divisions 3 and 4 Curriculum Roadmap

Marine Engineering Technology with Third Assistant Engineer's/OICEW License, B.S.

The Marine Engineering Technology (MET) major provides an undergraduate education for marine engineers employed aboard commercial and military vessels. The curriculum provides a foundation in the engineering fundamentals of shipboard mechanical and electrical systems, as well as practical training in the operation and maintenance of steam, motor, and gas turbine propulsion plants.

The MET program has the following program educational objectives:

- Graduates will have the knowledge and ability to function effectively as leaders on professional teams.
- Graduates will have the knowledge and ability to communicate effectively with speaking, writing, and presentation skills including the ability to put together a compelling argument.
- Graduates will demonstrate a respect for professional, ethical, and social issues as well as a commitment to safety, quality and productivity.
- Graduates will have the knowledge and ability to be respected professionals as licensed engineers and in other positions in the maritime industry.
- Graduates will have the knowledge and ability to manage and lead technical activities.

The MET curriculum includes three practical training experiences; two sea training periods aboard Training Ship *Golden Bear* and one sea training period aboard a military or commercial vessel. The MET program also requires satisfactory completion of a qualifying examination administered by the U.S. Coast Guard to become a Third Assistant Engineer, Steam and Motor Vessels, Unlimited Horsepower.

The Marine Engineering Technology program is accredited by the Engineering Technology Accreditation Commission of ABET, **https://www.abet.org**, under the General Criteria and Marine Engineering Technology Program Criteria.

MET Curriculum Roadmap

2025-26 Marine Engineering Techonology Divisions 1 and 2 Curriculum Roadmap

Department of Mechanical Engineering

Faculty

Professors:
Nader Bagheri; Michael Holden; Antony Hasson-Snell; Thomas R. Nordenholz

Associate Professors:
Tomas Oppenheim; William Tsai (Department Chair)

Lecturers:
Jeff Hadian, Steffan Long

Professor Emeritus:
Stephen Pronchick

The mission of the Mechanical Engineering program is to produce entry-level professionals who are capable of applying their knowledge of science and engineering to the design, analysis, evaluation, and production of engineering devices and systems. It also provides students with the necessary academic preparation for further education and professional development in their chosen career.

Bachelor of Science

Mechanical Engineering B.S.

The Mechanical Engineering program at Cal Maritime offers a unique educational approach by combining hands-on experiences and math and science-intensive coursework. The mission of the program is to produce entry-level professionals capable of applying their knowledge of science and engineering in the design, analysis, operation, and production of engineering components, systems, and products. Students can choose one of two options under Mechanical Engineering program. The Energy Design and Mechanical Design options are for those interested in traditional engineering careers. The U.S. Coast Guard Third Assistant Engineer License Option is for those seeking engineering careers in the maritime industry, both at sea and on land. The General Option is for those interested in applying their maritime experience toward traditional engineering careers.

The Mechanical Engineering program provides a sound foundation for the practice of engineering through instruction in basic sciences and mathematics, computer applications, design, laboratory experiences, communication, humanities, and social sciences. All students, regardless of option, start with the same first year experience, which includes fundmental math, science, communications, and critical thinking courses. In addition, students are trained to be engineering cadets aboard the Training Ship *Golden Bear* before embarking on a summer sea term lasting over 60 days. In subsequent terms, the curriculum includes fundamental mechanical engineering courses such as statics, dynamics, thermodynamics, fluid mechanics, mechanics of materials, and heat transfer. In addition, students will have time in both lecture and the laboratory for circuits, instrumentation and measurements, electromechanical machinery, controls, materials/mechanical, manufacturing processes, and experimental design. Throughout the curriculum, core ideas about design, programming, and controls are introduced and reinforced. Through the selection of electives, students can choose to specialize in several different areas. The entire experience is incorporated into a two-semester senior capstone experience.

The mission of the Mechanical Engineering program is to produce graduates capable of applying their knowledge of science and engineering in the design, analysis, evaluation, and production of engineering devices and systems. The academic foundation provided to each graduate allows for further education and professional development going forward.

Mechanical Engineering Program Educational Objectives

Mechanical engineering graduates of Cal Maritime working in the engineering profession will:

1. Be well educated professionals who utilize their intellectual learning, applied technology experience, leadership skills and global awareness in successful careers, and continue to improve their skills through lifelong learning and advanced studies;
2. Effectively practice as professional engineers, managers, and leaders in the maritime and energy industries and a wide variety other fields, and as licensed engineers in the merchant marine;
3. Successfully combine fundamental engineering knowledge, core leadership skills and the practical experience gained at the Academy to turn ideas into reality for the benefit of society;
4. Be influential members of multidisciplinary teams, creatively and effectively contributing to the design, development, and objective evaluation of engineering components, systems, and products;
5. Personally assume and actively encourage peers to uphold the professional, ethical, social and environmental responsibilities as well as the safety practices of their profession;
6. Demonstrate professional and effective communication skills to varying audiences, including colleagues, customers, and the general public.

Mechanical Engineering Program Student Outcomes

All graduates receiving a BSME degree from Cal Maritime are expected to have:

1. an ability to identify, formulate, and solve complex engineering problems by applying principles of engineering, science, and mathematics
2. an ability to apply engineering design to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors
3. an ability to communicate effectively with a range of audiences
4. an ability to recognize ethical and professional responsibilities in engineering situations and make informed judgments, which must consider the impact of engineering solutions in global, economic, environmental, and societal contexts
5. an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives
6. an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use engineering judgment to draw conclusions
7. an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.

The Mechanical Engineering program is accredited by the Engineering Accreditation Commission of ABET, **https://www.abet.org**, under the General Criteria and Mechancial Engineering Program Criteria.

ME Curriculum Roadmap

General Option Roadmap:

2025-26 Energy and Mechanical Design - Division 1 & 2

2025-26 Energy and Mechanical Design - Division 3 & 4

U.S. Coast Guard Third Assistant Engineer License Option Roadmap:

2025-26 USCG License - Division 1 & 2

2025-26 USCG License - Division 3 & 4

Department of Culture and Communication

Faculty

Professors:
Kathryn D. Marocchino, Julie K. Chisolm, Colin D. Dewey, Amy C Parsons

Associate Professors:
Sarah Senk, Aparna Sinha

Assistant Professor:

Lecturers:
Christopher L. Frick; Lauren Hartman; Scott Starr

Professors Emeriti:
A. René Viargues

The department serves Cal Maritime's mission through its commitment to intellectural learning through humanities and arts courses, and a comprehensive program in critical thinking, writing and speech.

To be successful and enlightened citizens in today's world, students must learn to understand other cultures, whether through speaking languages other than English or studying literature, culture, and arts.

Students must also learn to communicate clearly, whether in English or another language, with those whose assumptions may be very different from their own. To write and speak well are the hallmarks of an educated person. The objectives of the study of communication are to:

- Clearly express ideas in writing.
- Clearly express ideas in speech.
- Identify the implicit ideas, beliefs, and conditions underlying written and spoken statements.
- Analyze how thetorical choices impact the way information is communicated.
- Interpret texts, ideas, or issues through the collection and analysis of textural evidence.
- Use print and online research tools needed to support oral and written communication

In addition to an interdisciplinary commitment to cultural awareness and communication, this program also strives to instill the following habits and traits:

- Understanding the relation between texts, ideas, and issues and their socio-political, historical, and cultural contexts.
- The ability to analyze works of philosphical, literar, aesthetic, and cultural importance.

- Evaluatate aesthetic and cultural expereinces subjectively as well as objectively.
- Identifying, accessing, and evaluating appropriate sources of information.

A completed list of program objectives and course outcomes may be found on the department's website: https://www.csum.edu/culture-and-communication/assessment-and-outcomes.html

Department of International Strategy and Security

The International Strategy and Security (ISS) Department at Cal Maritime offers a Bachelor of Arts degree in Global Studies and Maritime Affairs.

Our unique curriculum is focused on equipping future leaders to tackle the most important international security and policy challenges of our time, from energy and environmental security to maritime and cybersecurity issues. We offer a rigorous curriculum designed to build skills in oral and written communication, critical thinking, problem solving, leadership development, policy analysis, research methods, and quantitative analysis. These skill sets are of increasing importance for students as they enter into the job market or pursue graduate school opportunities post-graduation.

In addition to taking some of the more foundational courses found in many Political Science and International Relations programs (e.g. American Government, International Relations, Comparative Politics, International Political Economy, Research Methods, etc.), these are some of the unique courses you will have the opportunity to take in the ISS department at Cal Maritime:

- Cybersecurity
- Ocean Environmental Management
- U.S. Maritime Policy
- U.S. Foreign Policy
- Strategy and War
- Civil Conflict
- Maritime History of the United States
- Polar Politics
- Maritime Security
- International Migration
- World Geography
- Human Security

Bachelor of Arts

International Strategy and Security, B.A.

The Department of International Strategy and Security (ISS) at Cal Maritime offers a Bachelor of Arts degree in International Strategy and Security.

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- U.S. Foreign Policy
- Strategy and War
- Civil Conflict
- Maritime History of the United States
- Polar Politics
- Maritime Security
- International Migration
- World Geography
- Human Security

International Experience:

- Another unique aspect of our ISS curriculum is that all students are required to participate in an International Experience during their time here at Cal Maritime. Whether that is studying abroad for the semester or year, or participating in one of our 3-week International Experience trips coordinated and led by Cal Maritime Faculty, we strongly believe that international exposure is crucial for preparing our students to work in a highly globalized 21st Century.

Internships:

- Built into our curriculum is an internship requirement for all of our students where students will have the opportunity to get hands-on experience to build up their professional resumes as well as develop transferable skills for their careers beyond Cal Maritime. For more information about common internship and career pathways for our students, feel free to check out our Internships and Careers Page.

First Year Seminar:

- All first year students will also be enrolled in a First Year Seminar course. The purpose of the First Year Seminar is to introduce Cal Maritime cadets to the campus community and prepare students for academic, personal, and professional success. This course is designed to help students successfully transition from high school to college life by providing students with the necessary resources and support to foster confidence and character and equip students to take ownership over their college experience.

Senior Capstone:

- All of our students will also have the opportunity to complete a Senior Capstone project that will be a culmination of the knowledge, interests, and skills our students have developed throughout their time in our program. Students who wish to take their research projects to the next level will also have many opportunities to present their Senior Capstone projects at conferences and competitions.

Leadership Development:

- A core value of our institution, as well as our department, is developing the leadership skills of our cadets. Our students have numerous leadership opportunities on campus through the Edwards Leadership Program, the Corps of Cadets, our student government organization (ASCMA), Residential Life, Clubs, Peer Mentorship opportunities and more. In our department, we also offer many leadership opportunities for our

students through our Model United Nations Team, our Cybersecurity Policy Team, student research and conference opportunities, and more.

Transfer Students

We welcome transfer students interested in joining our department and will work with you to help find your place in our program at Cal Maritime. Please contact the Department Chair, Dr. Wade, with any questions about transferring.

Adding a Minor

The flexibility of our curriculum design makes it very attainable to pursue a minor alongside students' major required courses. Common minors that our students pursue on campus include:

- Law Minor
- Business Minor
- Oceanography Minor
- Data Science Minor

ISS Curriculum Roadmap

2025-26 International Strategy and Security Curriculum Roadmap

Minor

International Strategy and Security Minor

Students in other majors at Cal Maritime are welcome to complete a minor that involves completing at least 15 units of coursework (usually 5 classes) in our department. Please contact the ISS department chair, Dr. Wade at rwade@csum.edu for the most recent updates or if you are interested in adding a minor.

ISS Minor Required Courses:

GMA 415 - Strategy and War

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): GMA 100 GOV 200
A global overview of the processes and mechanisms from war to diplomacy that political actors have historically employed and currently use to achieve their strategic objectives. Studies how actors align available means to desirable ends, with a particular focus on strategic planning and strategic interactions.
ISS

GMA 115 - Introduction to Security Studies

Class Hours: 3 Units: 3
A study of the main theoretical foundations and key concepts in security studies as well as an assessment of the main

institutions and key contemporary challenges in global security.

ISS

- One additional upper division (300 level or above) with an ISS (GMA) course code (3 units)

Elective Courses:

Any two additional 3-unit courses with a GMA course code (6 units). These can be either lower or upper division.

Department of Sciences and Mathematics

Faculty

Professors:
Taiyo Inoue; Kevin Mandernack; Frank Yip; Cynthia Trevisan (Chair)

Associate Professors:
Steven Runyon; Julie Simmons

Assistant Professors:
Matthew Fairbanks; Brent Pohlmann; Maryann Mohammadpour; Ariel Setniker

Lecturers:
Olga Gutkina; Tracey Johnson; Stephen Kielar; Zoe Verlaak; Craig Musburger; Li-Hsuan Huang

Professor Emeriti:
Lloyd Kitazono; James Wheeler; Jaya Punglia

Department Mission Statement

The mission of the Department of Sciences and Mathematics is the advancement of knowledge in sciences and mathematics. To further this goal, we teach our students the principles necessary for sophisticated scientific and quantitative reasoning, and we engage in scholarly research to inspire our students and advance our knowledge of the natural world.

In our increasingly complex world, a genuine understanding of science and mathematics is required to engage humanity's biggest problems and progress toward our most profound objectives. To these ends, we focus on empowering students with knowledge and strengthening the global intellectual community.

Bachelor of Science

Oceanography, B.S.

The Bachelor of Science degree in Oceanography is designed to provide students with a broad, foundational understanding of modern oceanography.

Students gain a theoretical background and practical skills in biological, geological, chemical and physical oceanography and are challenged to apply their foundational knowledge using the scientific method through hands-on directed research experiences, culminating in a piece of original scholarship.

The oceanography degree emphasizes workforce-ready skills and the development of professional networks that are crucial for successful placement after graduation. The global nature of the maritime sector is central fo Cal Maritime's identity.

Oceanography students gain an appreciation of global perspectives of ocean literacy and stewaerdship. Our graduates are pepared to serve as leaders in the development of new ocean science knowledge and the ability to make responsible, evidence-based decisions for managing ocean resources.

OCN Curriculum Roadmap

2025-26 Oceanography Curriculum Roadmap

Minor

Marine Science Minor

The Marine Science minor is designed for students who are interested in pursuing a career working on research vessels, continuing their studies in marine sciences, or who are otherwise interested in marine sciences.

In addition to the general requirements for earning a minor at Cal Maritime, and to receive a transcript notation of having completed the specific requirements for a minor in Marine Science, the student will have completed at least 15 units from the following curriculum:

All students must complete the following course:

Plus at least 9 units of the following oceanography courses:

Additional courses from the following may be used to make a total of at least 15 units for the minor:

GMA 105 - Ocean Politics

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None
Economic, security and environmental aspects of the world's oceans, focused on the international dimesions of the oecan as a global resource and its governance through conflict and/or cooperation.
GSMA

NAU 330 - Meteorology

Class Hours: 3, Units: 3
General Education: Area 5 Physical and Biological Sciences - upper division (formerly Area B upper division)
STCW Requirement: ♦
Prerequisite(s): MTH 100, PHY 100, PHY 100L
The science of meteorology covers principles of weather observations and reports; weather forecasting and the development of weather maps; and the study of air masses, fronts, winds and currents. Area B4
MT

Minor Advisor:

Dr. Alexander Parker

Mathematics Minor

The mathematics minor is open to students of all majors. It is designed for students interested in becoming mathematically sophisticated at levels beyond what is required by their major. Applications of mathematics to human understanding of the physical world are emphasized.

In addition to the general requirements for earning a minor at Cal Maritime, and to receive a transcript notation of having completed the specific requirements for a minor in Mathematics, the student will have completed 21 units earning a grade of C- or better from the following curriculum:

Required for Minor:

MTH 210 - Calculus I

Class Hours: 4, Units: 4
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 100 or equivalent with a C- or higher
Introduction of functions and limits, differentiation, applications of differentiation, integration, and applications of the definite integral.
SM

MTH 211 - Calculus II

Class Hours: 4, Units: 4
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 210 with a C- or higher
An introduction to additional methods of integration and improper integrals. Presented are trigonometric and hyperbolic functions and their inverses; infinite sequences and series; and a brief introduction to linear, ordinary first, and second-order differential equations.
SM

MTH 212 - Calculus III

Class Hours: 4, Units: 4
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 211 with a C- or higher
An introduction to the algebra and calculus of vectors. Presented are functions of several variables and partial differentiation, as well as multiple integration and vector analysis.
SM

MTH 215 - Differential Equations

Class Hours: 3 Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 211 with a C- or higher
First and second-order differential equations with constant coefficients. Higher order linear differential equations. Linear systems and eigenvector methods. Emphasis on engineering applications.
SM

MTH 250 - Introduction to Linear Algebra

Class Hours: 4, Units: 3
General Education: Area B4 Mathematics/Quantitative Reasoning - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 211 with a C- or higher
Theory and applications of linearity, including vectors, matrices, systems of linear equations, dot and cross products, determinants, linear transformations in Euclidean space, linear independence, bases, eigenvalues, eigenvectors, and diagonalization.
Formerly MTH 310. SM

MTH 320 - Probability and Statistics

Class Hours: 3 Units: 3
Prerequisite(s): MTH 212 or MTH 215; MTH 250
An introduction to probability and its application in statistics. Topics include the foundations of probability, discrete and continuous random variables, conditional probability, special distributions such as the uniform, exponential and normal distributions, joint distributions, limit theorems, statistical inference both frequentist and Bayesian, and random processes.
SM

(Only for students entering in Fall 2023 and beyond)

MTH 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
SM

Minor Advisors:

Dr. Taiyo Inoue, Dr. Brent Pohlmann, and Dr. Ariel Setniker

Oceanography Minor

The 16-unit minor in Oceanography is designed to provide students with a foundational understanding of ocean science and stewardship. Coursework includes an introduction to marine biology or ecology, two semesters of general oceanography, a lab experience and 6 units of specialized upper division coursework.

For more information contact Dr. Alexander Parker.

Oceanography Minor Program Requirements

Choose one of these lower courses (3 units):

OCN 100 - Marine Biology

Class Hours: 3 Units: 3
General Education: Area 5B Biological Science (formerly Area B2)
Introduction to organismal biology using marine examples. Origin and diversity of marine life including prokaryotes, protists, marine invertebrates and vertebrates. Mendelian genetics, speciation, reproduction, basic cellular physiology.
MSC 205 SM

OCN 110 - Marine Ecology

Class Hours: 3 Units: 3
General Education: Area 5B Biological Science (formerly Area B2)
Introduction to marine ecology of diverse habitats including the estuarine, intertidal, epipelagic, and deep sea, coral reefs and polar ecosystems.
MSC 210 SM

Take these two lower division courses (6 units):

OCN 200 - Oceanography I: Geology and Chemistry

Class Hours: 3 Units: 3
General Education: Area B1 Physical Science - lower division
Prerequisite(s): MTH 100
History of oceanography, seafloor features, plate tectonics, marine sediments, chemistry of seawater, dissolved gases, and ocean resources.
MSC 100 SM

OCN 210 - Oceanography II: Physics and Biology

Class Hours: 3 Units: 3
General Education: Area B1 Physical Science - lower division
Prerequisite(s): MTH 100
Introduction to atmosphre-earth-ocean interactions, global climate processes, ocean circulation, waves, tidal processes, plankton, nekton, and betnthic organisms.
MSC 105 SM

Choose one of the labs below (1 unit):

OCN 100L - Marine Biology Laboratory

Class Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): OCN 100
Introduction to stereo and compound microscopes, plankton collections and enumeration of phytoplankton and zooplankton, fouling invertebrates and marine invasive species, invertebrate and vertbrate dissections.
MSC 205L SM

OCN 110L - Marine Ecology Laboratory

Lab Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): OCN 110
Laboratory/field-based course working in local marine environments, including estuarine, wetland, rocky intertidal, and beach communities, to understand marine ecology. This service-learning course will patner with state, federal, or nogovernmental agencies to collect and interpret ecological data. Several field trips are planned during the semester.
MSC 210L SM

OCN 200L - Introduction to Oceanography Laboratory

Lab Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): OCN 200 or OCN 210
Quantiative problem-solving in oceanography, application of open source oceanographic data. Sampling the San Francisco Estuary.
MSC 100L SM

COM 210L - Oceanography Computer Programming Laboratory

Lab Hours: 2 Units: 1
Prerequisite(s): MTH 100 PHY 100
Co-requisite(s): COM 210
MATLAB-based lab focused on oceanographic data retrieval, processing and analysis. Array and matrix manipulation, introduction to NetCDF files, plotting 2 and 3 dimensions. Basic programming constructs, including input and output formatting, functions, conditional statements, and loops are introduced.
SM

Choose any two upper division elective OCN courses (6 units):

OCN 350 - Physical Oceanography

Class Hours: 3 Units: 3
Prerequisite(s): MTH 210 PHY 100 OCN 210
Conservation of momentum and vorticity with particular attention to the boundary layer dynamics of ocean circulation. Introduction to wave-driven boundary layer dynamics and its effects on mixing.
SM

OCN 410 - Phycology

Class Hours: 3 Units: 3
Prerequisite(s): OCN 100 OCN 330
Taxonomy, phylogeny, morphology, physiology and ecology of marine and freshwater algae.
SM

OCN 420 - Marine Biological Invasions

Class Hours: 3 Units: 3
Prerequisite(s): OCN 100
The biology, evolution, and ecological impacts of aquatic introduced species on the marine environment. Emphasis on marine invertebrates. Discussion of strategies for prevention, detection, and management of impacts to human systems as well as the role of climate change on biotic homogenization of marine systems.

OCN 440 - Introduction to Ocean Remote Sensing

Class Hours: 3 Units: 3
Prerequisite(s): OCN 200 OCN 210
General theory underlying ocean remote sensing. Application of techniques. Methods for accessing manipulating, combining and interpeting remotely sensed data.
SM

OCN 310 - Oceanographic Instruments and Analysis

Class Hours: 2 Units: 2
General Education: Area B1 Physical Science
Prerequisite(s): OCN 200 OCN 210
Co-requisite(s): OCN 310L
Classroom discussion of oceanographic sampling techniques, modern instrumentation and laboratory analyses. Techniques for measuring ocean temperature, salinity, dissolved oxygen, phosphate, chlorophyll-a, pH and carbon dioxide, and submarine light.
MSC 200 SM

OCN 310L - Oceanographic Instruments and Analysis Laboratory

Class Hours: 3 Units: 1
General Education: Area B3 Laboratory Activity
Prerequisite(s): OCN 200 OCN 210
Co-requisite(s): OCN 310
"Hands-on" laboratory. Ocean sampling techniques, practical training in modern instrumentation and laboratory analyses. Techniques for measuring ocean temperature, salinity, dissolved oxygen, phosphate, chlorophyll-a, pH and carbon dioxide, and submarine light.
MSC 200L SM

OCN 320 - Oceans and Climate

Class Hours: 3 Units: 3
General Education: Area 5 Physical and Biological Sciences - upper division (formerly Area B upper division)
Prerequisite(s): MTH 210, PHY 100 or PHY 200
A physics-based description of the atmosphere-ocean global (large scale) circulation and its driving forces. Exploration of the earth-system's climate and the potential implications of climate change.
SM

OCN 330 - Marine Microbial Ecology

Class Hours: 3 Units: 3
Prerequisite(s): OCN 100 OCN 110 OCN 210
Ecology of microbes in the oceans including diversity, biomass and metabolic activity. Role in oceanographic processes and marine biogeochemical cycles. Prokaryotes (archaea and bacteria), autotrophic, heterotrophic and mixotrophisc protists described and interations with non-microbial organisms.
SM

OCN 340 - Chemical Oceanography

Class Hours: 3 Units: 3
Prerequisite(s): OCN 200 CHE 210
Chemical description of the ocean, past and present. Elemental cycling, the effects of biological, chemical, geological and physical processes on the chemistry of seawater, and the distribution of gases, ions, nutrients and trace metals.
SM

Notes

All students completing the minor must complete MTH 100 or equivalent (as a pre-req for OCN 200 ,OCN 210).

Department of International Business and Logistics

Faculty

Professors:
Khalid Bachkar; Nipoli Kamdar, Chair

Associate Professors:

Tony C. Lewis; Joshua Shackman

Lecturers:
Joel Aldrich; Matthew Dudman

The Department of International Business and Logistics offers the Bachelor of Science in Business Administration with options for pursuing a concentration in either International Maritime Business or Supply Chain Management.

The department also offers two minors to Cal Poly, Solano students: Business Administration and Law.

Program Mission and Vision:

Program Mission and Vision: The Business Administration program at Cal Poly, Solano is dedicated to equipping students with the skills and knowledge needed to thrive in today's dynamic, interconnected, and often unpredictable world. Our graduates emerge as highly employable professionals, ready for both the workforce and advanced academic pursuits. The program emphasizes a balanced approach, combining deep theoretical knowledge with immersive experiential learning, all while fostering strong ethical values and global leadership capabilities. Students thrive in an environment that offers career development, close engagement with industry partners, hands-on learning opportunities, opportunities for travel, and exposure to a wide range of ideas and backgrounds. Together, these elements prepare students for success in their future careers and as engaged citizens.

Responding to the Evolving Global Landscape: In an era of interconnected global supply chains, shifting trade alliances, and evolving regulatory landscapes, our program equips students with the critical thinking, adaptability, and analytical skills needed to succeed. In addition to foundational studies in Accounting, Economics, Finance, Marketing, and Management, students take specialized courses in supply chain management, business analytics, and international trade and transportation that ensure they are well-prepared to lead in this evolving landscape.

As the world grapples with issues such as reshoring, sustainability in global operations, and the rapid digitalization of supply chains, our program leverages Cal Poly, Solano 's unique position to provide students with cutting-edge insights into the maritime and logistics sectors. We recognize that understanding the complexities of globalization today requires more than just knowledge of international markets-it demands a deep understanding of how technology, environmental concerns, and geopolitical shifts shape the future of business.

Learning Objectives

By the end of the program students graduating from the business program at Cal Poly, Solano campus will:

- · demonstrate knowledge of the foundational core of business
- · demonstrate teamwork and leadership skills.
- · demonstrate professional communication skills.
- · apply relevant quantitative methods and tools to make business decisions
- · be able to evaluate and use information resources appropriately to make business decisions
- · develop the intercultural competencies necessary to conduct business in a global context

Accreditation

The program is proudly accredited by the International Accreditation Council for Business Education (IACBE), located at 11960 Quivira Road, Suite 300, Overland Park, KS 66213. Learn more about our accreditation and standards at www.iacbe.org.

Career Opportunities

Our graduates are highly sought after by leading employers. The business program has built an excellent reputation, with alumni working across diverse industries including global logistics, transportation, maritime services, and Fortune 500 companies.

Recent graduates have launched careers with top organizations including Amazon, Albertsons, ArcBest, General Atomics Aeronautical Systems, General Dynamics NASSCO, FlexPort, Inchcape Shipping, Matson, Military Sealift Command (MSC), Norton Lilly International, Port of Long Beach, SSA Marine, Tesla, and Toyota.

Our alumni excel in dynamic roles such as:

· Junior Supply Officer

· Automation Supervisor

· Supply Chain Analyst

· Shipping Agent

· Marine Underwriter

· Operations Manager

· Account Manager

· Vessel Planner

· Customer Service Coordinator

· Import/Export Manager

Roadmap:

https://www.csum.edu/registrar/media/business-admin-ibl-2025.pdf

Bachelor of Science

Business Administration, B.S.

Program Mission and Vision:

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Responding to the Evolving Global Landscape:

Global business leaders face unprecedented complexity in a world where supply chains are being redesigned, trade relationships shift overnight, and regulatory frameworks struggle to keep pace with technological innovation. Success demands leaders who can think critically across disciplines, adapt quickly to change, and analyze complex interconnections between markets, technology, and policy.

Our curriculum prepares students to lead in this evolving landscape. Students build their foundation through rigorous coursework in accounting, economics, finance, marketing, and management, then advance into specialized areas like supply chain optimization, business analytics, and international trade and transportation The program's strength lies in our direct connections to the maritime and logistics industries. Through internships and direct engagement with decision-makers confronting reshoring challenges, sustainability requirements, and digital disruption, students witness strategy in action and gain insights that textbooks alone cannot provide.

Business Administration Learning Objectives

By the end of the program students graduating from the business program at Cal Poly Solano campus will:

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BA Curriculum Roadmap

2025-26 Business Adminstration Curriculum Roadmap

Minor

Business Administration Minor

A minor in business provides students with a broad understanding of key business concepts and helps students develop problem-solving, communication, and collaboration skills. The minor can also equip students with practical skills that are highly valued by employers, such as analyzing financial statements, managing inventories, assessing risk, etc.

In addition to the general requirements for earning a minor at Cal Poly, Solano campus, and to receive a transcript notation of having completed the specific requirements for a minor in Business Administration, the student will have completed a minimum of 15* units from the following curriculum:

All students must complete the following courses**:

BUS 100 - Accounting Principles I: Financial

Class Hours: 3, Units: 3
Prerequisite(s): None
The objective of this course is to provide the financial accounting principles within which a company functions. Topics include measuring income, establishing financial position, and reporting the results of the accounting cycle.
IBL

MTH 107 - Elementary Statistics

Class Hours: 3, Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 100 or MTH 101; Grade of C- or better
This course is a study of general concepts of statistics, including sampling, probability distributions, statistical inferences, confidence intervals, hypothesis tests, and correlations. Use of technology, including graphing calculators or computers will be used extensively to describe and analyze data.
SM

Plus three of the following courses+:

BUS 101 - Accounting Principles II: Managerial

Class Hours: 3, Units: 3
Prerequisite(s): BUS 100
The focus of this course is on planning and controlling business operations. The course includes data analysis, budgets, product costing and pricing, and quantitative decision-making.
IBL

BUS 200 - Introduction to Marketing

Class Hours: 3, Units: 3
Prerequisite(s): ECO 100
This course introduces the student to the marketing function in a business environment. The various marketing components of product, price, promotion, and place are examined in the context of the competitive business arena. Case studies and the analysis of marketing plans are discussed.
IBL

BUS 300 - International Business I

Class Hours: 3, Units: 3
Introduction to the effects of multi-national operations on business strategy and decision making by exploring the economic, political, financial, legal, and social nature of the international environment. The formulation, selection, and implementation of multi-national strategies are examined in the context of the global business environment.
IBL

BUS 310 - Financial Management

Class Hours: 3, Units: 3
Prerequisite(s): BUS 100 MTH 105
Introduction to management and formation of capital; the finance function and its environment; techniques of financial analysis; planning and control; management of working capital; capital budgeting; cost of capital; money and capital market analysis; management of capital structure.
IBL

ECO 101 - Microeconomics

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): MTH 101 ECO 100
Introduction to decision-making by households, firms, and government, and the resulting allocation of scarce resources through markets.Throughout the course, economic analysis is applied to a wide range of business issues and public policy challenges.

IBL

LAW 100 - Business Law

Class Hours: 3, Units: 3
Prerequisite(s): None
Business law principles are presented at the appropriate undergraduate level for understanding those most useful and widely applied in the contemporary workplace. Students learn how the legal system facilitates business operations and discourages or controls harmful business practices. Students will recognize that the law is an integral part of our social system, both in shaping and being shaped by the broader society. Topics addressed include law as a business foundation; alternative dispute resolution, litigation and the court system; contract law principles; intellectual property; business torts and crimes; business organizations with emphasis on corporations; international business transactions and devices; real and personal property systems; ethics; and preparing contract proposals.
IBL

MGT 205 - Organizational Behavior and Labor Relations

Class Hours: 3, Units: 3
Prerequisite(s): None
Presents the student with a comprehensive overview of the theory and practice of planning and managing human capital in business organizations. The student acquires knowledge and understanding of human resource management, unionism, multiculturalism, diversity, and the integration of business and government in organizing, planning, and controlling human resources.
IBL

MGT 310 - Port and Terminal Management and Operations

Class Hours: 3, Units: 3
Prerequisite(s): ECO 100, MGT 100 or MGT 105 or NAU 108
This course provides an overview of modern port and terminal operations, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo management, and integration of marine port and terminal operations with other modes of transportation. The student will gain an introduction to several different types of marine terminals, including containerized liner facilities, dry bulk, and liquid bulk facilities, ro-ro terminals, and others. The class presentation will be rooted in a brief historical review of developments in maritime industry and policy.
IBL

MGT 430 - International Supply Chain

Class Hours: 3 Units: 3
Explores the key issues associated with the design and management of international supply chains. Gain an understanding of the complex issues facing managers of global supply chains and the challenges of the more volatile global economy. Topics include, but not limited to: global dimensions of supply chains; strategic sourcing process; strategic value-adding role operations and distribution plays in the international supply chain; current transportation management strategies used to improve supply chain performance; capabilities of an integrated supply chain information system; coordination and integration of functions across the supply chain; influence of competitive globalization drivers; uncertainty, risk and flexibility in the international supply chain context; aligning supply chains; reverse logistics systems. Examines supply chain practices of many global companies.

Note:

*A minimum of 6 units in the minor must be different from any course counted in the major.

** Course substitutions to the above requirements are to be considered by the minor advisor and department chair only upon written request from the student and documentation of comparable experience.

+ A minor must include a minimum of 6 (six) units of upper-division (300-level or above) courses.

Minor Advisor:

Dr. Joshua Shackman

Law Minor

Our very unique minor in law allows undergraduate students to gain a basic understanding of the legal system and how it affects individuals, businesses, and society. Having a foundation of legal knowledge is helpful in applying to law school, and the knowledge gained is also valuable to any student interested in careers that involve working with legal and regulatory issues, or really anything business related.

In addition to the general requirements for earning a minor at Cal Maritime, and to receive a transcript notation of having completed the specific requirements for a minor in Law, the student will have completed a minimum of 15* units from the following curriculum:

All students must complete the following courses**:

LAW 100 - Business Law

Class Hours: 3, Units: 3
Prerequisite(s): None
Business law principles are presented at the appropriate undergraduate level for understanding those most useful and widely applied in the contemporary workplace. Students learn how the legal system facilitates business operations and discourages or controls harmful business practices. Students will recognize that the law is an integral part of our social system, both in shaping and being shaped by the broader society. Topics addressed include law as a business foundation; alternative dispute resolution, litigation and the court system; contract law principles; intellectual property; business torts and crimes; business organizations with emphasis on corporations; international business transactions and devices; real and personal property systems; ethics; and preparing contract proposals.
IBL

LAW 200 - Environmental Law

Class Hours: 3, Units: 3
General Education: Area D Social Science - lower division
Prerequisite(s): None
This survey course presents environmental law in a marine context. The course reviews laws governing pollution, radioactive wastes, fisheries conservation, maritime occupational safety laws, and enforcement. Upon completion of the course, students will have current information concerning how environmental laws and regulations affect the mariner.
IBL

LAW 300 - International Law

Class Hours: 3, Units: 3
General Education: Area D Social Science - upper division
Prerequisite(s): None
International Law is presented in a maritime context. Topics addressed include the sources of international maritime law; the state-centric system; treaties; legal aspects of land, air, and water territories; law of the sea; piracy and

maritime terrorism; ISPS Code; international jurisdiction over persons and vessels; international arbitration and courts; the law of war; and the law of war at sea. Practical, useful, contemporary knowledge is provided as well as an appreciation and discussion of the esoteric nature of international maritime law. Readings will involve case studies while lectures will offer substantive international law as it shapes the maritime world. Historic as well as current issues will be discussed employing balanced perspective and dialogue.
IBL

LAW 315 - Admiralty Law

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): Junior class standing
A broad study of admiralty law covering the development of general maritime law and American admiralty law, indicia of jurisdiction, scope of the maritime jurisdiction, substantive maritime law, maritime liens, towage, salvage, maritime torts, collision law, worker's compensation claims, wrongful death, limitation of liability and jurisdiction and procedure in maritime claims. Students will understand the roles of people, society, and organizations in the formation of admiralty law and analyze case studies with a focus on patterns of behavior and social dynamics.
IBL

Plus 3* units from the following courses+:

LAW 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
IBL

Note:

* A minimum of 6 units in the minor must be different from any course counted in the major.

** Course substitutions to the above requirements are to be considered by the minor advisor and department chair only upon written request from the student and documentation of comparable experience.

*** LAW 395 will offer rotating topics and can be completed up to three times for credit.

+ A minor must include a minimum of 6 (six) units of upper-division (300-level or above) courses.

Minor Advisor:

Mr. Matthew Dudman

Department of Marine Transportation

Faculty

Professors:
Peter J. Hayes; Samuel Pecota

Associate Professors:
Tamara Burback; Elizabeth McNie; Samuel Pearson

Assistant Professors:

Kevin Calnan; Anthony McDevitt; Margaret Ward

Maritime Vocational Lecturers:
Joel Aldrich; James Christian; Joshua Cosgrove; Patrick Gonzales; Nicholas Lewis; James Lipsett; Chelsea Martin; Hector Pernia-Osorio; Fred Reiman; Igor Romanchenko; Stephen Kielar.

Lecturer:
Rebecca Miller

Professor Emeriti:
Paul Leyda; Tuuli Messer-Bookman

The Marine Transportation degree program includes significant academic breadth and extensive technical expertise. Through experiences in the classroom, laboratories, simulators, and aboard the Training Ship GOLDEN BEAR and commercial vessels, students achieve a level of professional confidence, competence, and leadership that allows them to function in decision-making positions with the international transportation industry.

Mission Statement

The mission of the Department of Marine Transportation is to develop in our graduates the practical skills, judgment, character, and leadership traits necessary to become leaders in the maritime industry, both at sea and ashore. To this end, by way of practical and theoretical training at sea, in simulators, and in the classroom, the Marine Transportation program seeks to do the following:

prepare our students to meet, along with a wide array of seamanship and advanced mariners' skills, all U.S. Coast Guard and international requirements for Second Mate / Officer-in-Charge of the Navigational Watch at the operational level provide them with a well-rounded liberal education culminating in a Bachelor of Science degree in accordance with California State University requirements

imbue in them a strong sense of ethics, personal integrity, accountability, and officership provide opportunities to develop the leadership and communication skills to be an effective leader provide opportunities for obtaining various additional maritime professional certifications.

Bachelor of Science

Marine Transportation with U.S. Merchant Marine Officer Third Mate License with STCW, B.S.

The student choosing a career as a licensed deck officer (mate) or a shoreside maritime manager majors in marine transportation. This major provides the broadest maritime industry training possible consistent with officer licensing requirements.

Marine transportation graduates have a broad employment field open to them. A wide variety of shoreside management positions await the graduate in numerous maritime sectors, including vessel operations, ship's agency, marine insurance, stevedoring, charter brokering, and federal employment, as well as shipboard employment opportunities.

The MT curriculum includes three practical training experiences: two sea training periods aboard the *Training Ship GOLDEN BEAR*, and one sea training period aboard a military or commercial vessel. This major, through the wide array of professional skills taught, is designed to prepare the student to take the U.S. Coast Guard Merchant Marine Officer licensing exam. Passing this examination, which results in the issuance of a Third Mate's license, is essential for a student seeking employment as a licensed deck officer on a commercial vessel

Deck Licenses

Deck licenses issued by the U.S. Coast Guard in increasing rank are as follows: Third Mate, Second Mate, Chief Mate, and Master.

A raise in grade is dependent upon the graduate's ability to accumulate sea time, usually one year's sea time in each license category, and to pass USCG examinations of increasing complexity and difficulty.

MT Curriculum Roadmap

2025-26 Marine Transporation Curriculum Roadmap

Naval Science

Faculty and Staff

Officer-in-Charge and Chair:
LT Tyler Evans, USN

Admin. Officer/Instructor:
LT Jon Sparks, USN

Administrative Assistant:
Toni Vasquez

The Department of Naval Science administers the Naval Science courses on campus as well as Cal Maritime's Strategic Sealift MIdshipmen Program (SSMP) unit. Naval Science courses cover subjects such as ethics, naval operations, the history of the U.S. Navy and merchant marine, ship communications, national defense organization, underway replenishment, anti-terrorism/force-protection fundamentals, convoy tactics, and naval tradition.

About SSMP DET-71

The Strategic Sealift MIdshipmen Program, Detachment 71, is an officer accessions training unit that produces Strategic Sealift Officers for the U.S. Navy Reserve. Participating license-track students may be eligible for:

- Student Incentive Payment (SIP)
- advanced leadership training
- participation in community service events
- U.S. Navy Reserve officer commission upon graduation

- option to apply for active-duty commission in the U.S. Navy

Become a part of a proud tradition by joining SSMP DET-71! Learn more at: https://www.csum.edu/academics/military-options/ssmp/index.html

Minor

Naval Science Minor

In addition to the general requirements for earning a minor at Cal Maritime, and to receive a transcript notation of having completed the specific requirements for a minor in Naval Science, the student will have completed at least 15 units from the following curriculum:

All students must complete the following courses:

NSC 100 - Naval Science for the Merchant Marine Officer/Strategic Sealift Officer

Class Hours: 3, Units: 3
An introduction to the organization of the U.S. Navy, with a discussion of the Strategic Sealift Officer Program and Naval Reserve commissioning options, which provide a sound basis for liaisons between the U.S. Navy and the merchant marines. The concept of seapower is analyzed, with emphasis on the historical merchant marine- Navy interface in common seapower objectives. 70% of available lecture time is spent covering the history of seapower. The remaining 30% is spent covering miscellaneous organizations/government agencies which support defense objectives and have ties to the merchant marine.
NS

NSC 200 - Naval Science II for the Strategic Sealift Officer

Class Hours: 3, Units: 3
Prerequisite(s): NSC 100
Building on NSC 100, this course presents the nature of a hostile naval threat and types of surface, subsurface, and air attacks to which both U.S. naval and merchant shipping can be subjected. Merchant ship self-defense maneuvers and naval escort defensive actions are analyzed. The student should become proficient in the merchant marine-Navy communication interface and in ship maneuvering when in convoy. Navy officer communities, administration, and organization are discussed. Warship design, propulsion, and damage control methods are also introduced.
NS

NSC 400 - Leadership, Ethics, and Naval Science for the Merchant Marine Reservist II

Class Hours: 4, Units: 4
Prerequisite(s): NSC 200 or approval of Chair
Designed to provide midshipmen with the practical knowledge, leadership, and managerial skills necessary to function as a new naval reserve officer. Topics include merchant marine reserve, officer and enlisted rank structure, administrative duties of an officer, the naval justice system, management techniques, promotions, leadership, ethics, fitness reports and annual training (AT) requirement and procedures.
NS

Plus at least 5 units from the following courses:

NSC 450 - Advanced Midshipman Naval Training

Units: 1
Prerequisite(s): MMR Midshipman under Contract (Naval Science Department Chair approval required)
A very intensive training opportunity for midshipmen desiring to increase their practical knowledge of the U.S. Navy's mission. Provides fundamental, intermediate, and upper level leadership experience through practical application of leadership management techniques. Students perform in a variety of billets. Eligible cadets are chosen to participate in NSC 250 according to their performance, aptitude, and warfare community interest. Training opportunities include, but are not limited to, field trips to surface, subsurface, aviation, and special operations units; close order drill; inspections; and naval officer career areas. Naval Science Department Chair approval required. May be used to satisfy open elective requirements.
NS | Graded: Credit/No Credit

Minor Advisor:

LT John Matusek

Library

Faculty and Staff

Faculty Librarians:
Amber Janssen; Katherine Luce

Senior Assistant Librarian
Laurie Borchard

Library Technologist:
Mark Stackpole

Cal Maritime's Library facilitates student success by offering instruction and collections that address Cal Maritime's unique curriculum and develop savvy information users and life-long learners.

The Library provides a variety of spaces for quiet study, collaborative group work, research, reflection, and productivity. Its building, with views of the Carquinez Strait and San Pablo Bay, offers an inviting environment. It is equipped with many tools to facilitate research and study, including desktop and laptop computers, charging stations, wireless printing, cameras, mobile white boards, and calculators.

Instruction Program

The Library's instruction program plays a key role in helping students achieve one of the Western Association of Schools and Colleges' five core competencies: information literacy. This program includes credit-based courses, curriculum-integrated instruction, online tutorials and research guides, and one-on-one consultations. Instruction librarians collaborate with other faculty to address specific information literacy learning outcomes throughout the curriculum of each major and department.

Information Resources

The library's website, http://library.csum.edu, is the portal for discovering the resources available to the campus community. The library's physical collection consists of approximately 50,000 books and media items, and is particularly strong in maritime topics. The library's online subscriptions include over 50 research databases with access to millions of full-text articles and eBooks covering the general education and discipline-specific curriculum and research interests of students and faculty.

Librarians recommend and organize resources via course and subject research guides online, and make course materials directly available for students through the campus' online course-management software.

To develop a collection relevant to our users, the library welcomes acquisition requests from students, faculty, and staff.

Interlibrary Borrowing

Students, faculty, and staff may borrow books and media from a shared collection of over 29 million titles via CSU+, a resource sharing service made up of the 23 California State University libraries. CSU+ allows users to easily and independently discover and request materials not available at Cal Maritime. These materials are usually delivered in two to four business days. For material not available within our CSU network, the library facilitates requests via the national WorldCat service.

Research Assistance

Students and faculty have many options to get help with their research. Librarians and staff are available in-person on a drop-in or appointment basis, or by email or phone. Students may also access many instructional and research guides via the library's website.

Campus History Collection

The library preserves the heritage of the California State University Maritime Academy through documents, photographs, and artifacts in its Campus History Collection (CHC), in both print and digital form. This collection is available by appointment for research and display.

Graduate Studies

Throught the Department of Sponsored Projects and Extended Learning (SPEL) Cal Maritime offers a Master of Science in Transportation and Engineering Management.

Master of Science

Transportation and Engineering Management - Engineering Management Concentration, M.S.

Cal Maritime's Master of Science in Transportation and Engineering Management program provides advanced instruction in business and management fundamentals, coupled with specialized preparation for career advancement in the participant's chosen specialization - Transportation, Engineering Management, or Humanitarian Disaster Management.

The 10-course degree program (30 credit hours) is offered completely online with accepted students proceeding through the learning process as a cohort. Current students report that the support offered by the cohort model along with 24/7 online access are big benefits for those juggling careers and families with graduate coursework.

All graduate students take five core courses in basic management, then each graduate student takes four courses focusing on their chosen degree track of Transportation, Engineering Management, or Humanitarian Disaster Management. Finally, graduate students complete a Capstone course designed to help them demonstrate their learning through an extensive project in their work setting.

The Graduate Program

Master of Science in Transportation and Engineering Management

Cal Maritime is committed to the development of outstanding industry leaders through a graduate degree program that requires students to integrate critical thinking and best practices in a manner that enables them to face real-world challenges with poise, and to contribute to the body of knowledge and practice in their industry.

Cal Maritime's Office of Graduate Studies, a division of the Department of Sponsored Projects and Extended Learning, offers a Master of Science degree in Transportation and Engineering Management, with areas of specialization in Transportation Management, Engineering Management, and Humanitarian Disaster Management.

The Office of Graduate Studies administers the policies and procedures established by Cal Maritime and the California State University. This catalog section presents these policies and procedures as related to graduate students in Cal Maritime's graduate degree program.

Accreditation

Cal Maritime is accredited by the Western Association of Schools and Colleges (WASC) 985 Atlantic Avenue, Suite 100, Alameda, CA 94501, 510-748-9001 www.wascsenior.org.

Program Learning Objectives

Students in this program will meet educational outcomes in three areas.

Project Leadership

Graduates will:

- Be able to create and lead a project team or multiple project teams, develop project proposals (including budgets and timelines) and manage the entire project life cycle.
- Have expertise in systems analysis and operations research to support project development and management.
- Apply decision making, technical, and human resource principles to manage projects in a dynamic business and global economic context.

Global Context

Graduates will:

- Understand their organization's role in a global context; including environmental issues, and political, social, and ethical norms.
- Appreciate the security, economic, and legal dimensions that affect global supply chain management.

Management Components

Graduates will:

- Have the ability to advance to higher levels of institutional responsibility with an increased understanding of organizational, financial, human resource and information systems management.
- Recognize and appreciate one's own ability to lead, direct, and advance the goals and vision of the organization.

Engineering Management

TEM 700 - Systems Engineering Management

Introduces students to the principles and processes of systems engineering, from concept development through system integration, testing and life cycle support. The course explores a disciplined approach to identifying user needs, translating those needs into a complete system specification, and verifying that requirements are met. A team project related to deployment of a large-scale complex system is used to demonstrate the integrated nature of systems engineering.

TEM 705 - Strategic Management

Topics include the managing and resolution of complex problems in engineering management; the process of crafting strategy; evaluating a company's external environment, resources and competitive position; integration and outsourcing; diversification, acquisitions and new ventures; competing in foreign markets; strategy, ethics, and social responsibility; and effective strategy execution.

TEM 710 - Technology Management and Innovation

Class Hours: 80 Units: 3
An advanced course of study focused on the management of technology and innovation in industry. Topics include: human factors; dynamics of technological innovation; formulation and implementation of management strategy; including relevant and current management case studies and simulations designed to increase critical thinking skills while exposing the student to real world scenarios.

TEM 720 - Energy Resource Management

Course participants will learn the background knowledge, concepts and management techniques necessary to create and sustain an effective energy management program within their organization, resulting in an efficient use of energy to maximize profit and minimize cost. This course will examine supply side cost structures, auditing of energy demand, strategies to reduce energy costs, energy efficient technologies, and economic analysis of energy efficiency upgrades for decision making.

Transportation and Engineering Management - Humanitarian Disaster Management Concentration, M.S.

The Graduate Program

Master of Science in Transportation and Engineering Management

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- Appreciate the security, economic, and legal dimensions that affect global supply chain management.

Management Components

Graduates will:

- Have the ability to advance to higher levels of institutional responsibility with an increased understanding of organizational, financial, human resource and information systems management.
- Recognize and appreciate one's own ability to lead, direct, and advance the goals and vision of the organization.

Humanitarian/Disaster Management

TEM 800 - The Global Humanitarian System

This course considers in greater depth the humanitarian system as a whole and the resulting tensions. It compares and contrasts the actions and activities with those found in the commercial and military counterparts that will be found operating alongside the humanitarian logistic network, and focuses on the issue of the development and maintenance of inter-personal and inter-organizational trust as a critical success factor within the post-disaster response.

TEM 810 - Rapid and Slow Onset Disaster Management

This course underpins the Humanitarian Logistics track through an introduction to the disaster response cycle and a high level discussion of the key stakeholders. It considers the role of the humanitarian logistician and discusses five of the most significant challenges facing those working in this field.

TEM 820 - Humanitarian Project Management

On the basis that the whole area of the preparation and response to a natural disaster falls into the Rittel and Webber's categorization of a "wicked problem", based on academic approaches to the "taming" of such problems, this course will consider alternate ways of managing the humanitarian logistic challenge. These will be drawn from a number of fields including those of project management and procurement as well as the area of general management.

TEM 830 - National and International Humanitarian Logistics

It is recognized that there are significant differences in the philosophical approach, and consequential policies, processes and procedures adopted by different countries in their preparation and response to national and international disasters. The aim of this course is to consider the differences in such approaches, the implications for international cooperation and the extent to which best practice can be synthesized.

Transportation and Engineering Management - Transportation Concentration, M.S.

The Graduate Program

Master of Science in Transportation and Engineering Management

Cal Maritime is committed to the development of outstanding industry leaders through a graduate degree program that requires students to integrate critical thinking and best practices in a manner that enables them to face real-world challenges with poise, and to contribute to the body of knowledge and practice in their industry.

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Graduates will:

- Be able to create and lead a project team or multiple project teams, develop project proposals (including budgets and timelines) and manage the entire project life cycle.
- Have expertise in systems analysis and operations research to support project development and management.
- Apply decision making, technical, and human resource principles to manage projects in a dynamic business and global economic context.

Global Context

Graduates will:

- Understand their organization's role in a global context; including environmental issues, and political, social, and ethical norms.
- Appreciate the security, economic, and legal dimensions that affect global supply chain management.

Management Components

Graduates will:

- Have the ability to advance to higher levels of institutional responsibility with an increased understanding of organizational, financial, human resource and information systems management.
- Recognize and appreciate one's own ability to lead, direct, and advance the goals and vision of the organization.

Transportation

TEM 600 - Global Logistics and Supply Chain Management

Logistics is the science of movement of materials from raw material to the customer in the globalized economy; Supply Chain Management focuses on understanding techniques and strategic issues in the successful movement of products from their origins as raw materials to their final destinations as finished products, including the impact of culture, strategic planning, organization, and management control. Specific topics include customer service, e-commerce, facilities location, routing and pricing, storage, transportation, emerging technologies, and re-engineering the supply chain. Emphasis will be placed throughout on the maritime component, with frequent use of case studies.

TEM 610 - International Transportation Law

Explores legal issues in transportation, logistics and supply chain management in a globalized economy. Topics include freight charges liability; loss, damage and delay claims, billing disputes, over-charge and undercharge claims; bills of lading; freight classification system; cargo insurance; applicable international legal treaties and conventions; and the current state of international transportation law.

TEM 620 - International Trade and Finance

This course focuses on trade and finance in a globalized economy. Trade topics include the current structure of the international trading system, global trade treaties and agreements, and the impact of e-commerce on traditional trade constructs. Financial topics include raising capital in the global economy, the management of investment and exchange risk, and global financial treaties and agreements.

TEM 630 - Port and Terminal Management

An advanced course dealing with modern port and terminal operations, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo management, and integration of marine port and terminal operations with other modes of transportation. The student will gain an introduction to several different types of marine terminals, including containerized liner facilities, dry bulk, and liquid bulk facilities, ro-ro terminals, and others.

Extended Learning

Extended Learning

Whether you're looking for a great place to take a professional development course, or a well regarded school to earn a graduate degree, or you simply want to experience the best simulation encounter available you've come to the right place. We are committed to total student satisfaction and we hope you will explore our pages to see which opportunity is right for you or your organization.

In addition to individual studies we offer customized courses designed to meet the specific needs of your organization and we have a number of external partners who work with us to help achieve their research goals. If you need an academic partner to help you secure a grant or you want to contract with us for services related to a grant we are eager to learn more about your project. Just contact our Office of Sponsored Programs to discuss your needs.

So, explore our Extended Learning courses, examine our Graduate Degree options, investigate our Simulation Center, look at our Research Facilities and peruse some of our recent Sponsored Programs and see if you don't agree - Cal Maritime is the best place to meet your continuing professional needs.

The division of Extension Services at Cal Maritime is here to serve both our extended maritime community and our regional area with top quality educational, professional and research opportunities.

Customized Training

Delivering customized training to companies in the Bay Area, throughout the Pacific Northwest, and around the country.

Consulting Services

Consulting services to help ensure you get expert, compliant results.

If you need to contact us, please send an email to xl@csum.edu

Schools and Academic Programs

Cal Maritime has three schools:The School of Engineering, School of Letters and Sciences, and the School of Maritime Transportation, Logistics, and Management.

School of Engineering

The mission of the School of Engineering is to provide each student with a world class education and experiential training in engineering and applied technology. The School of Engineering prepares studetns for a lifetime of learning and successful careers in engineering and maritime related fileds while instilling values, vision, and skills to enable them to become future leaders and problem solvers in order to advance the science and technology of the engineering profession.

School of Letters and Science

The mission of the School of Letters and Sciences is to play a formative role in every student's baccalaureate degree. As the intellecutral foundation of the university, our programs encourage intellectual, professional and ethical growth in each student We seet to cultivate habits of inquiry through collaboration, creativity and discovery in and beyond the classroom. We view environmental stewardship, cultural awareness and political responsiblity as essential to developing the probel-solving skills, scientifc reasoning, and leadership qualities vital to student success in an ever changing, global community.

School of Maritime Transportation, Logistics, and Management

The mission of the School of Maritime Transportation, Logistics, and Management is to instill students with the necessary knowledge, practical skills, judgement and chracter needed to broaden their horizons and become ethical leaders in the global maritime marketplace. Students will learn through a balance of theoretical knowledge and experiential learning and benefit from unique educational platforms and experienced faculty who are recognized experts in their fields.

Cal Maritime offers rigorous academic programs in the areas listed below. The catalog links lead to program descriptions, learning outcomes and courses required for each offerring.

Bachelor of Arts

- International Strategy and Security, B.A.

Bachelor of Science

- Business Administration, B.S.
- Facilities Engineering Technology, B.S.
- Oceanography, B.S.
- Marine Engineering Technology with Third Assistant Engineer's/OICEW License, B.S.
- Marine Transportation with U.S. Merchant Marine Officer Third Mate License with STCW, B.S.
- Mechanical Engineering B.S.

Minor

- Business Administration Minor
- International Strategy and Security Minor
- Law Minor
- Mathematics Minor
- Naval Science Minor
- Oceanography Minor

Master of Science

- Transportation and Engineering Management - Engineering Management Concentration, M.S.
- Transportation and Engineering Management - Humanitarian Disaster Management Concentration, M.S.
- Transportation and Engineering Management - Transportation Concentration, M.S.

License

- Cal Maritime offers licensed programs for the Third Mate or Third Assistant Engineer license of the United States Coast Guard. Licenses are issued at graduation upon successfully completing the appropriate baccalaureate degree and passing the United States Coast Guard licensing examination.
- Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or

tax payer identification number) or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees, or any associated costs, to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the Coordinator of the STCW Program, Student Services Building, (707) 654-1297.

Certificates

- Graduate Certificate in Emergency Management
- Engineering students who pass the Fundamentals of Engineering examination receive an Engineer-In-Training Certificate.
- Students completing ET 342 are eligible to take a written exam for professional certification as EPA Universal Technicians.

Course Descriptions

Definitions

A **prerequisite** is an academic requirement that must be completed prior to enrolling in a course.

A **co-requisite** is an academic requirement that must be taken concurrently with a course.

♦ Denotes a course that fulfills STCW (Standards of Training, Certification, and Watchkeeping for Seafarers) requirements. US Coast Guard license program students must achieve a grade of C- or higher in order to pass an STCW course.

(CSL) Denotes that these courses have a community service component, which may be in addition to regular class hours or part of the course itself, as indicated.

Academic Department/School Designations

ATH	Athletics
BA	Business Administration
CC	Culture & Communication
ET	Engineering Technology
XL	Extended Learning
ISS	International Strategy and Security

LIB	Library
MT	Marine Transportation
MPM	Maritime Policy and Management
ME	Mechanical Engineering
NS	Naval Science
SM	Sciences & Mathematics

The academic department designation with the course description determines the department that hosts the course.

All courses are graded using the A–F system unless otherwise specified.

Course Numbering System

0 – 99: remedial courses prior to Fall 2018
100 – 299: lower division
300 – 499: upper division

Electives

Scheduled general electives can be found in the searchable online class schedule using Course Attribute value for individual electives. These electives are also identified according to their designation within the five areas of the CSU General Education requirements.

- American Institutions I Elective
- American Institutions II Elective
- Area 1 English Communication
- Area 2 Mathematical Concepts and Quantitative Reasoning
- Area 3 Arts and Humanities
- Area 4 Social and Behavioral Sciences
- Area 5 Physical and Biological Sciences
- Area 6 Ethnic Studies
- Foreign Language Electives Semester 1
- Foreign Language Electives Semester 2
- Major Electives

Business

BUS 100 - Accounting Principles I: Financial

Class Hours: 3, Units: 3
Prerequisite(s): None
The objective of this course is to provide the financial accounting principles within which a company functions. Topics include measuring income, establishing financial position, and reporting the results of the accounting cycle.
IBL

BUS 101 - Accounting Principles II: Managerial

Class Hours: 3, Units: 3
Prerequisite(s): BUS 100
The focus of this course is on planning and controlling business operations. The course includes data analysis, budgets, product costing and pricing, and quantitative decision-making.
IBL

BUS 125 - Introduction to International Maritime Business and Supply Chain Management

Class Hours: 3 Units: 3
This course provides an introduction to key concepts in the fields of international maritime business and supply chain management. International maritime business topics surveyed include a history of the maritime industry, global business, business formation, shipping operations, maritime regulatory and classification societies, port services and human resource management challenges. The psychological and physiological impacts of stress and fatigue on workers at sea and on land, their safety implications, policy solutions and best management practices are also covered. Functional areas of supply chain management explored in an integrated manner include procurement, operations management, transportation and logistics, inventory management, and demand planning. General business principles and information literacy relevant to research in the fields of international maritime business and supply chain management, as well as the social implications and societal impacts of these fields are emphasized.

BUS 165 - Business Decision Analysis

Class Hours: 3, Units: 3
An introduction to making management decisions using complex or incomplete information. Students explore common contributors to decision making errors and learn to distinguish rigorous sources from opinions, pseudoscience, or propaganda. Requires application of rudimentary statistical methodologies learned in class.
IBL

BUS 200 - Introduction to Marketing

Class Hours: 3, Units: 3
Prerequisite(s): ECO 100
This course introduces the student to the marketing function in a business environment. The various marketing components of product, price, promotion, and place are examined in the context of the competitive business arena. Case studies and the analysis of marketing plans are discussed.
IBL

BUS 300 - International Business I

Class Hours: 3, Units: 3
Introduction to the effects of multi-national operations on business strategy and decision making by exploring the economic, political, financial, legal, and social nature of the international environment. The formulation, selection, and implementation of multi-national strategies are examined in the context of the global business environment.
IBL

BUS 301 - International Business II - Country Research Analysis and Global Marketing

Class Hours: 3, Units: 3
Prerequisite(s): Senior Class Standing or Chair Approval
The course follows on material introduced in BUS 200 and BUS 300, and examines major examples of country research analysis, including the reports of the U. S. Commercial Service and major international institutions and organizations that perform country research analysis or contribute standard statistical indicators. Such entities include the Organization for Economic Cooperation and Development (OECD), the International Bank for Reconstruction and Development (IBRD), the International Monetary Fund (IMF), and private sector entities. The course explicates the problems of conducting market research in or about foreign markets, including a contrast of primary versus secondary research methods, and the subsequent transformation of the research into marketing strategy.
IBL

BUS 310 - Financial Management

Class Hours: 3, Units: 3
Prerequisite(s): BUS 100 MTH 105
Introduction to management and formation of capital; the finance function and its environment; techniques of financial analysis; planning and control; management of working capital; capital budgeting; cost of capital; money and capital market analysis; management of capital structure.
IBL

BUS 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
IBL

BUS 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
IBL

BUS 405 - Leadership and Group Dynamics

Class Hours: 3, Units: 3
Prerequisite(s): Senior Class Standing
Behavioral and psychological aspects of leadership in the business environment are the focus of this course. Behavioral concepts include practical training in how to follow, development of skills in leadership, communication, team membership, and management of personal stress. Psychological concepts include attitude development, corporate culture values, and personality assessment. In addition, students perform a detailed leadership analysis of their co-op (or other work experience, with instructor's approval), resulting in a professional paper, and an oral presentation in class.
IBL

Chemistry

CHE 105 - Introductory Chemistry

Class Hours: 3, Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): None
Co-requisite(s): CHE 105L
This course is an introduction to fundamental chemical principles and scientific thought intended for nonengineering majors. Topics covered include scientific method, measurement, properties of matter, periodic trends, atomic and molecular structure, chemical reactions and stoichiometry, nomenclature of inorganic and organic compounds, heat and energy, gases, solutions, radioactivity and chemical safety. This course does not satisfy the degree requirement for Mechanical Engineering, Marine Engineering Technology or Facilities Engineering Technology.
SM

CHE 105L - Introductory Chemistry Lab

Lab Hours: 3, Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): CHE 105
As a co-requisite, this course is designed to expand upon as well as reinforce chemical concepts introduced in CHE 105. It will also introduce students to chemical experimentation including the processes, instrumentation, and techniques employed in a chemistry laboratory environment. Topics addressed during experiments include the scientific method, scientific measurement and uncertainty, density, electrolytes and solutions, qualitative chemical analysis, reaction stoichiometry, gas stoichiometry, calorimetry, atomic spectroscopy, visible spectroscopy and laboratory safety.
SM

CHE 110 - General Chemistry

Class Hours: 3, Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): None
Co-requisite(s): CHE 110L
This course is an in-depth introduction to fundamental chemical principles and scientific thought. Topics covered include scientific method, scientific calculations, properties of matter, periodic trends, atomic and molecular structure, chemical reactions and stoichiometry, thermochemistry, gases, solutions, and radioactivity.
SM

CHE 110L - General Chemistry Lab

Lab Hours: 3, Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): CHE 110
As a co-requisite, this course is designed to expand upon and reinforce chemical concepts introduced in CHE 110 . It will also introduce students to chemical experimentation including the processes, instrumentation, and techniques employed in a chemistry laboratory environment. Topics addressed during experiments include the scientific method, scientific measurement and uncertainty, error analysis, density, electrolytes and solutions, qualitative chemical analysis, reaction stoichiometry, acid/base titration, gas stoichiometry, thermochemistry, atomic spectroscopy, visible spectroscopy and laboratory safety.
SM

CHE 195 - Special Topics

SM

CHE 205 - Chemistry of Power Plant Processes

Class Hours: 3, Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): CHE 110, CHE 110L
This course examines the role that water plays in both production and power plant processes. Emphases within the course focus on the nature of liquid mixtures, including equilibrium concepts as they relate to solution chemistry, sources and types of organic and inorganic water contamination, the quantification of water contamination and the pre-treatment and post-treatment of water utilized in plant processes.
SM

CHE 210 - General Chemistry II

Class Hours: 3 Units: 3
Prerequisite(s): CHE 110 with grade of C or higher
Co-requisite(s): CHE 210L
Builds upon the introduction to fundamental chemical principles and scientific thought developed in CHE 110. Advanced theories of covalent bonding, introduction to organic chemistry, kinetics, equilibirum, thermodynamics and electrochemistry
SM

CHE 210L - General Chemistry II Laboratory

Lab Hours: 3 Units: 1
Prerequisite(s): CHE-110L with grade of C or higher
Co-requisite(s): CHE 210L
Expand upon and reinforce concepts introduced in CHE 210. Scientific methods, scientific measurement and uncertainty, error analysis, quantitative chemical analysis, chemical kinetics, equilibrium, acid/base titration, buffers, solubility, electrochemistry, visble spectroscopy and laboratory safety.
SM

CHE 340 - Introductory Biochemistry

Class Hours: 3 Units: 3
Prerequisite(s): CHE 210 OCN 100
Introduction to the composition, chemical structures, and chemical reactions of living things. Specific topics include: structure and function of biological macromolecules, metabolic pathways, and the molecular basis of genetics and gene expression.

CHE 340 - Introductory Organic and Biological Chemistry

Class Hours: 3 Units: 3
Prerequisite(s): CHE 210 with grade of "C" or better; OCN 100
SM

CHE 390 - Independent Study

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on file in the Student Records Office by the end of the normal add period.
SM

CHE 395 - Special Topics

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SM

Computing

COM 100 - Introduction to Computers

Class Hours: no class hours Lab Hours: 2 lab hours Units: 2
Prerequisite(s): None
Provides students with a basic understanding of word processing, presentation software, spreadsheet software and simple database operations.
SM

COM 107 - Programming in R

Lab Hours: 3 Units: 1
An introduction to programming in R. Topics include: basic arithmetic operations, downloading and uploading data, introduction to data types, commands commonly used when working with data, functions, loops, logic structures, debugging, packages, and basic simulations. The RStudio software package will be used.
SM

COM 195 - Special Topics

SM

COM 210 - Programming for Scientific Computing

Class Hours: 2 Units: 2

COM 210L - Oceanography Computer Programming Laboratory

Lab Hours: 2 Units: 1
Prerequisite(s): MTH 100 PHY 100
Co-requisite(s): COM 210
MATLAB-based lab focused on oceanographic data retrieval, processing and analysis. Array and matrix manipulation, introduction to NetCDF files, plotting 2 and 3 dimensions. Basic programming constructs, including input and output formatting, functions, conditional statements, and loops are introduced.
SM

COM 220L - Programming Applications for Engineering Technology Majors Lab

Lab Hours: 2, Units: 1
Prerequisite(s): None
Data representation, data analysis, and programming using Microsoft Excel. Advanced operations of the TI-89 calculator. Prepares Engineering Technology students for advanced level coursework.
ET

COM 390 - Independent Study

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SM

COM 395 - Special Topics

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SM

Cooperative Education

CEP 250 - ME Co-Op I

Units: 3
Prerequisite(s): Sophomore Class Standing
This course is the first of two summer co-ops required for some students in the Mechanical Engineering program. It requires the student to work onsite in an industry, research facility, or research institution under a cooperative education training agreement for a 2-3 month period. Students will encounter practical work and current research experiences. These experiences will vary with the participating companies, facilities, and institutions. The student will work in a paid position under a degreed engineering supervisor in cooperation with the Career Development Center.
ME

CEP 270 - FET Co-Op I

Units: 3
Prerequisite(s): CRU 150, Sophomore Class Standing
This course is the first of two summer co-ops required for the Facilities Engineering Technology major. It requires the student to work in industry under a cooperative education training agreement by working onsite for a 2-month period. Students will encounter current and practical work experience with various facilities.
ET

CEP 330 - GSMA Co-Op

Units: 3
Prerequisite(s): GMA 100, GMA 105
Provides students with experience in industry, government and NGO settings in areas relevant to the GSMA major. Students apply classroom knowledge to real-world issues and bring the work experience back to the classroom to

enrich their academic understanding of maritime policy concerns. Specific experience varies with the co-op setting, but includes written and oral communication skills, applied knowledge and opportunities for in-depth appreciation of a specific aspect of maritime security, environmental and other policy issues. Generally taken during the third summer, but may be done at any time with the permission of the GSMA Co-op Coordinator and MPM Department Chair.
MPM

CEP 350 - ME Co-Op II

Units: 3
Prerequisite(s): CEP 250, Junior Class Standing
This course is the second and final of two summer co-ops required for some students in the Mechanical Engineering program. It requires the student to work onsite in an industry, research facility, or research institution under a cooperative education training agreement for a 2-3 month period. Students will encounter practical work and current research experiences. Experiences vary with the participating companies, facilities, and institutions but should include teamwork, communication, and engineering design problem-solving opportunities. The student will work in a paid position under a degreed engineering supervisor in cooperation with the Career Development Center.
ME

CEP 370 - FET Co-Op II

Units: 3
Prerequisite(s): CEP 270, Junior Class Standing
CEP 370 is the second and final of two summer cooperative education courses required by the Facilities Engineering Technology Program. This course requires the student to work in industry under a cooperative education training agreement by working onsite for a 2-month period. Students will encounter current and practical work experience with various facilities.
ET

CEP 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
ME, ET, MPM

CEP 400 - Business Industry Co-op II

Units: 3
This elective course allows the student to spend time in an overseas work environment that has been setup by the Business Department. The student is expected to acquire practical learning outcomes in management, resource allocation, and business communications. The focus of this experience is to get employment in a foreign company and improve language skills in conversation language and business language.
MPM

Cruise

CRU 100 - Sea Training I (Deck)

Units: 8
STCW Requirement: ♦
Prerequisite(s): DL 100, DL 105, DL 105L, DL 105X, DL 110, DL 115, DL 120, FF 100, NAU 102 with C- or better, NAU 102L with C- or better, NAU 104, NAU 105 NAU 109 and NAU 110
Comprises the first sea training experience for the student. During this period of training aboard the *Training Ship GOLDEN BEAR*, the emphasis is on ship familiarization, safety drills and training, basic deck watchstanding skills as helmsman and lookout, vessel maintenance and sanitation, and practical seamanship. Students will be required to demonstrate competencies in selected STCW topics.
MT |

CRU 150 - Sea Training I (Engine)

Units: 8
STCW Requirement: ♦
Prerequisite(s): DL 105, DL 105L, DL 105X, EPO 110, EPO 125, NAU 104 and FF 100
First at-sea experience on the training ship. Introduction to the fundamentals of engineering systems operations and shipboard routine, including operation and monitoring techniques for diesel propulsion, electrical power generation, evaporators and support equipment. Duties during emergency situations such as fire, abandon ship, and rescue are also learned. By the end of the cruise, the student will have demonstrated the required STCW competencies and understand basic power plant operation and maintenance.
ET

CRU 200 - Sea Training II (Deck)

Units: 5
Prerequisite(s): CRU 100, DL 225, DL 225L , EGL 100, NAU 102, NAU 102L, NAU 205 and NAU 230
Co-requisite(s): CRU 200L
This course is the student's second at-sea training experience. Students are required to participate in a sea training program aboard an approved commercial or federal vessel. The period of onboard training consists of a minimum period of time, as specified in Cal Maritime's program approval letter, to meet Coast Guard sea service requirements. During their training period students will document and analyze various aspects of shipboard operation and procedures as prescribed by the department. This guided analysis will constitute their project for which they will be issued a letter grade.
MT

CRU 200L - Sea Training II (Deck)

Units: 3
Prerequisite(s): CRU 100, DL 225, DL 225L, EGL 100, NAU 102, NAU 102L, NAU 205, and NAU 230
Co-requisite(s): CRU 200
This course exposes students to the type of observations and tasks required by STCW. As a basis for grading this course, the student completes a comprehensive check list that parallels the STCW standards for which they will be certified on CRU 300. This check list parallels STCW competencies but does not provide certification or equivalency.
MT | Graded: Credit/No Credit

CRU 250 - Sea Training II (Engine)

Units: 8
STCW Requirement: ♦
Prerequisite(s): CRU 150, EPO 210, EPO 213, EPO 215, and EPO 220 and EPO 220L with no grade less than a C-.
This course is an approximately 60-day sea training experience aboard a commercial or government vessel for students pursuing a USCG Third Assistant Engineer's License. A comprehensive engineering report and performance

evaluations by the ship's engineering officers are the basis for course grading. The Commercial Cruise Project includes a journal of operational and maintenance experiences, technical descriptions and drawings of shipboard engineering systems, and a summary of measures to implement environmental and SOLAS regulations.
ET

CRU 300 - Sea Training III (Deck)

Units: 8
STCW Requirement: ♦
Prerequisite(s): CRU 200 CRU 200L DL 310 DL 311 DL 320 NAU 300 NAU 300L NAU 302 NAU 302L NAU 325 NAU 330 FF 300
This course is the third sea training experience for the student. During this period of training aboard the *Training Ship GOLDEN BEAR*, the emphasis is on ship maneuvering skills, celestial navigation, collision avoidance, weather reporting, radio, communications, bridge team management, supervision of vessel maintenance, and bridge watchstanding as the cadet in charge. Students will be required to demonstrate competencies in STCW selected topics.
MT |

CRU 350 - Sea Training III (Engine)

Units: 8
STCW Requirement: ♦
Prerequisite(s): CRU 250 , ENG 250L or ET 250L, EPO 235, EPO 310, EPO 322, EPO 322L with no grade lower than C-.
During the cruise, the student functions as the supervisor and assumes responsibility for the proper performance of the first cruise students in engineering tasks. Responsibility is in the following areas: (1) as watch engineer, directly responsible to a licensed watch officer for the operation of all systems, ensuring that all data is properly taken and recorded and all duties properly performed; (2) as daywork assistant, maintaining and repairing equipment and systems under the supervision of an instructor; and (3) as engineering assistant, carrying out Third Assistant duties under the supervision of the Chief Engineer. By the end of cruise, the student will have demonstrated required STCW competencies and be ready to stand watch as a Third Assistant Engineer.
ET

CRU 390 - Independent Study

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ET, MT

CRU 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
ET, MT

Data Science

DAT 108 - Foundations of Data Science

Class Hours: 3 Units: 3
Prerequisite(s): MTH 107
Co-requisite(s): DAT 108L
Introduction to inferential and computational thinking in the context of real-world applications. Topics include data types, basic concepts of computational programming, sequences, tables, functions, data visualization, causality, randomness, sampling, estimation, hypothesis testing, prediction, and inference for regression. Python will be used extensively.
SM

DAT 108L - Foundations of Data Science Lab

Lab Hours: 3 Units: 1
Prerequisite(s): MTH 107
Co-requisite(s): DAT 108
Application of the principles from DAT 108 using computational Python activities related to inferential and computational thinking, with an emphasis on real-world applications and data.
SM

Deck Labs

DL 100 - Small Craft Operations

Lab Hours: 3, Units: 1
Prerequisite(s): DL 105, DL 105L, and must pass PE 101 or PE 102
Instruction in small boat/motor lifeboat operation. Practical training in small boat handling, with emphasis on maneuvering characteristics, relative motion, and small engine operation. The cadets will continue to develop and practice their leadership skills by acting as the boat operator/coxswain. As such, the acting boat operator/ coxswain will be in charge of organizing the vessel crew into a functioning team able to carry out all aspects of small boat operations, from tying up and letting go to emergency procedures.
MT

DL 105 - Marine Survival

Class Hours: 1, Units: 1
STCW Requirement: ♦
Prerequisite(s): Must pass PE 101 or PE 102
Co-requisite(s): DL 105L
This course prepares the student for the U.S. Coast Guard Lifeboatman's Endorsement. Students must pass this class with a C- or higher to qualify to take the Coast Guard Lifeboatman's exam. This class conforms to the STCW Requirements for personal survival training as well as components of the social responsibility requirement. Students will be instructed in the preparation, embarkation, and launching of survival craft and will become familiar with the correct use of all survival equipment, as well as the proper actions to take to preserve the lives of those in their charge.
MT ZCCM - Zero Cost Course Materials

DL 105L - Marine Survival Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): Must pass PE 101 or PE 102
Co-requisite(s): DL 105
Students receive hands-on training in basic personal and group survival techniques. Through a combination of multiple

pool sessions and actual operation of survival craft, students will be given the skills required for the practical section of the U.S. Coast Guard Lifeboatman's Endorsement. This course conforms to STCW requirements for personal survival training as well as components of the social responsibility requirement.
MT | Graded: Credit/No Credit

DL 105X - USCG Lifeboatman'S Exam

Units: 0
MT | Graded: Credit/No Credit

DL 110 - Ship Operations I

Lab Hours: 3, Units: 3
Prerequisite(s): DL 109, DL 115 (may be taken concurrently)
Hands-on introduction to day-to-day shipboard operational and maintenance routines under supervision from upperclass cadets and ship's officers. Undertaken will be structural maintenance, cleaning, lubrication, and various other work projects expected of the ordinary seaman. Students are instructed in power and specialty tools, safe work practices, and HAZMAT/pollution procedures.
MT | Graded: Credit/No Credit

DL 115 - Marlinspike

Lab Hours: 2 Units: 1
STCW Requirement: ♦
Prerequisite(s): None
Marlinspkie seamanship, rope work, knots and splices, rigging and unirgging a bosun's chair, mooring equipment and safety
MT

DL 120 - Cargo Operations

Lab Hours: 3, Units: 1
Prerequisite(s): None
Practical instruction in various types of cargo handling equipment and rigs. Covered are theoretical stress evaluation and cargo gear maintenance in addition to cargo lifting and securing arrangements. Students practice on cargo rig models, the Academy's ship, and boat rigs, as well as taking field trips to observe local cargo handling facilities. Forklift training and safety certification are course requirements.
MT

DL 195 - Special Topics

MT

DL 225 - Radar/ARPA

Class Hours: 2 Units: 2
STCW Requirement: ♦
Prerequisite(s): CRU 100, NAU 102, NAU 102L
A comprehensive STCW course emphasizing an elementary understanding of RADAR/ARPA theory, factors affecting performance and accuracy, and the limitations of contact detection. Satisfactory completion of this course is a

requirement for the issuance of a USCG Third Mate's License.
DL 325 Required for MT 2022 and going forward

DL 225L - Radar/ARPA Lab

Class Hours: 2 Lab Hours: 4 Units: 2
STCW Requirement: ♦
Co-requisite(s): DL 225L
DL 325L Graded: Credit/No Credit Required for MT 2022 and going forward

DL 240 - Global Maritime Distress Safety System (GMDSS)

Class Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): MTH 100, PHY 100, PHY 100L
Co-requisite(s): DL 240L
A comprehensive STCW compliant course designed to explore various aspects of how to use a marine VHF radio, the Maritime Mobile Service and the Maritime Mobile Satellite Service. Students will demonstrate a theoretical knowledge of equipment compliance, electronic communications systems, calling procedures, distress alerting techniques, and marine safety information. Course leads to FCC licensing for Marine Radio Operator Permit (Element 1) and GMDSS Operator's License (Element 7). Student must also be enrolled in DL 240L.
MT | Note: Additional fee required

DL 240L - Global Maritime Distress Safety System (GMDSS) Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): Same as for DL 240
Co-requisite(s): DL 240
A comprehensive STCW compliant lab designed to give students hands-on experience using equipment in the Maritime Mobile Service and the Maritime Mobile Satellite Service. Course to include a 24-hour communications watch on CRU 300. Student must also be enrolled in DL 240.
MT

DL 301 - Navigation Piloting Lab

Lab Hours: 3, Units: 1
Prerequisite(s): CRU 200, NAU 302 (may be taken concurrently), NAU 302L (may be taken concurrently)
Practical instruction in terrestrial and electronic navigational techniques aboard academy power-driven vessels while underway in San Francisco Bay in actual piloting situations. Voyage planning and navigation accuracy cross-checking are emphasized in real-time transit.
MT

DL 305 - Tug and Barge

Lab Hours: 3, Units: 1
Prerequisite(s): CRU 200 , DL 100 , DL 240, DL 325, NAU 120 and NAU 305
This course introduces the specific operations required of towing and pushing vessels. Students are supervised in the use of the Academy's tug and barge in specific towing operations.
MT

DL 310 - Marine Supervisory Lab

Lab Hours: 3, Units: 1
Prerequisite(s): CRU 200, DL 110, DL 115, NAU 109
Basic introduction into the supervisory skills required of first-level managers by means of supervising and directing groups of persons to competently accomplish individual work projects. Job planning, resource allocation, labor relations and personnel safety assurance are the primary objectives of the course.
MT

DL 311 - Marine Management Lab

Lab Hours: 3, Units: 1
Prerequisite(s): CRU 200, DL 110, DL 115, DL 310, NAU 109
Continuation of Marine Supervisory Lab, with new emphasis on complete project management versus supervising of individual job components. A complete array of management concepts, including labor relations, material and labor availability, safety and weather considerations, and regulatory compliance variables are stressed in successful project completion. Accountability is emphasized for the successful completion of assigned projects on time while maximizing utility of resources available. Project organization, pre-planning, and implementation are required as vessel prepares for cruise departure. Students are introduced to material acquisition processes and paperwork requirements necessary to achieve project completion.
MT

DL 320 - Introduction to Bridge Simulation

Class Hours: 2, Lab Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): CRU 200L or CRU 225L, DL 240, DL 240L (may be taken concurrently)
Introduction to California Maritime's bridge simulator. Instructional emphasis is placed on standardized watchstanding methodology, practices, and task priorities.
MT | Graded: Credit/No Credit

DL 335 - Integrated Bridge-Engine Room Watch Management

Lab Hours: 2, Units: 1
General Education: Area E Lifelong Learning and Self Development
Prerequisite(s): CRU 200
The nature of this course is very flexible from the perspective of a Marine Transportation student. As it is designed as a platform to gain experience in handling complex situations involving the engine plant and how they affect vessel operation as a whole, students may be permitted to enroll more than once. The course runs concurrently with various sessions of EPO 235 Steam Plant Watch Team Management (for MET and ME License cadets), and in those courses, no two vessels ever experience exactly the same problems or situations. This means that a student enrolled in this course could conceivably work with multiple vessels. Assignment to one specific vessel is the minimum, but students may participate in other sections as well. Enrollment during later semesters may be permitted upon consultation with ET and MT faculty.
MT | Graded: Credit/No Credit

DL 390 - Independent Study

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although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
MT

DL 405 - Shipboard Medical

Class Hours: 1, Units: 1
STCW Requirement: ♦
Prerequisite(s): Senior class standing
Co-requisite(s): DL 405L
The practical application of the principles of advanced First Aid. Subjects include diagnosis and treatment of traumatic injuries, cardio-pulmonary resuscitation, shipboard sanitation, including certificates necessary for licensing and for Level 3 STCW.
MT

DL 405L - Shipboard Medical Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): Senior class standing
Co-requisite(s): DL 405
MT

DL 410 - Ship Handling

Lab Hours: 3, Units: 1
STCW Requirement: ♦
Prerequisite(s): CRU 200, CRU 200L
Practical experience in ship handling with vessels large enough to gain an appreciation for ship handling problems encountered with much larger vessels. Participants are exercised in "soft" landings, emergency procedures, mooring techniques and line handling, and collision avoidance.
MT

DL 420 - Watchstanding Simulation

Class Hours: 2, Lab Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): CRU 300, DL 240, DL 240L
Full mission bridge watchstanding simulator designed as a capstone course for senior students. The course objective is to assess basic watchstanding skills at the STCW OICNW level.
MT | Graded: Credit/No Credit

Economics

ECO 100 - Macroeconomics

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None
Basic economic methodology, analysis, and policy; economic institutions, organizations and industrial structure, the

monetary system; measurement, determination and stability of national income; monetary, fiscal and balance of payment problems and policies.
IBL

ECO 101 - Microeconomics

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): MTH 101 ECO 100
Introduction to decision-making by households, firms, and government, and the resulting allocation of scarce resources through markets.Throughout the course, economic analysis is applied to a wide range of business issues and public policy challenges.

IBL

ECO 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
IBL

Engineering

ENG 100 - Engineering Graphics

Class Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): None
Introduction to engineering graphics, the primary media for developing and communicating engineering system design information. Preparation of technical drawings using drafting instruments and computer-aided design (CAD) software is based on ANSI standards and includes orthographic projections, dimensioning, and tolerances.
ET

ENG 110 - Introduction to Engineering and Technology

Class Hours: 1, Units: 1
Prerequisite(s): None
Introduction to the engineering and technology professions and curricula, including the professional responsibilities of engineers and engineering technologists, the organization of the engineering and technology profession, and the library and Internet research, along with outside speakers from the profession.
ME

ENG 112 - Introduction to Technical Communication

Class Hours: 1 Units: 1
General Education: Area 1C Oral Communication (formerly Area A1)

Introduction to oral communication with an emphasis on its application to the engineering profession. Development and practice in oral presentations to both technical and non-technical audiences.

ENG 120L - Marine Engineering Lab

Lab Hours: 2 Units: 1
Develops a basic understanding of common shipboard systems, their functions, arrangement, major components and principles of operation. Develops a basic understanding of shipboard electrical systems/electronics and electronic troubleshooting using electrical/electronic test equipment such as multimeters, the reading and interpretation of schematics, and the use of technical manuals.

ENG 195 - Special Topics

ET, ME

ENG 210 - Engineering Computer Programming

Class Hours: 2, Units: 2
Prerequisite(s): None
An introduction to the use and engineering applications of MATLAB, and an introduction to computer programming using MATLAB. Main topics include array and matrix manipulation, plotting in 2 and 3 dimensions, solving linear systems of equations, and solving nonlinear equations. In addition, the basic programming constructs, including input and output formatting, functions, conditional statements, and loops are introduced. A basic introduction to linear algebra is also included.
ME

ENG 250 - Electrical Circuits and Electronics

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): PHY 205
Co-requisite(s): ENG 250L
This course covers the theory and analysis of DC and AC circuits. Real and ideal sources, power transfer and power factor. Resistor, capacitor, and inductor circuits, transient response, frequency response and transfer functions. Single phase and multiphase power systems, and amplifier circuits and semiconductor devices.
ME

ENG 250L - Electrical Circuits and Electronics Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): PHY 205
Co-requisite(s): ENG 250
Supports instruction and theory of ENG 250 using hands-on circuit and electronics analysis. Use of meters, scopes and breadboard techniques to construct and measure transient and steady-state responses. MATLAB simulations used in response prediction.
ME

ENG 310 - Engineering Ethics

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): EGL 220, Junior or Senior Class Standing
Addresses the major concepts of ethics as applied to the discipline and practice of engineering. Topics include the scope and aims of engineering ethics, moral reasoning and ethical theories, engineering and society, ethics and the law, the engineer's responsibility for safety, engineers and the corporation, conflict of interest/crime in the workplace, rights of engineers/ rules of professional conduct, ethics, global ethical issues involving the engineering community, engineering ethics in the computer age, environmental ethics, engineers as managers and leaders, engineers as expert witnesses, and steps to principled reasoning/common rationalizations.
ET, ME

ENG 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
ET, ME

ENG 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
ET, ME

ENG 430 - Naval Architecture

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): Prerequisite for ET Students: ET 332, ET 340 Prerequisite for ME Students: ME 332, ME 340
Covers ship nomenclature, initial and damaged stability theory and calculations, hull structural design considerations, ship resistance and propulsion power prediction.
ET

ENG 440 - Power Engineering

Class Hours: 3, Units: 3
Prerequisite(s): ME 240 or ET 344
This course will survey the various processes used to convert various energy resources-fossil fuel (coal, oil, natural gas) and nuclear fuel as well as renewable sources (hydroelectric, solar, wind, geothermal, biomass, ocean tidal and wave)-into useful electrical and mechanical energy. The focus will be on the engineering analysis, technology, and societal and environmental benefits and impacts of each process.
ME

ENG 440L - Power Engineering Lab

Lab Hours: 2, Units: 1
Prerequisite(s): ENG 440
Experimental study of several of the electrical power generation systems studied in Power Engineering. Students will

operate several power generation systems in the Power Lab (including a gas turbine, combined cycle plant, wind turbine, and solar photovoltaic and thermal systems) under controlled loads, obtain measurements, and evaluate performance. Hybrid and battery charging systems will also be examined.
ME

ENG 472 - Facilities Management

Class Hours: 3, Units: 3
Prerequisite(s): CEP 250 or CEP 270
Topics from various engineering and technology disciplines are covered and integrated into a structure consistent with the understanding and experiences needed in the facilities engineering management profession. This course is the introductory course to the Facilities Engineering profession.
ET

Engineering Plant Operations

EPO 110 - Plant Operations I

Lab Hours: 3, Units: 1
STCW Requirement: ♦
Prerequisite(s): None
A laboratory class directly involved in the inspection, maintenance, and repair of marine machinery and systems aboard the training ship. Emphasis is the safe and proper use of hand and power tools and the identification and repair of valves, pumps, fittings, piping, switches, controllers, and circuit breakers. Lab reports will be completed on work performed.
ET | Graded: Credit/No Credit

EPO 125 - Introduction to Marine Engineering

Class Hours: 3, Units: 3
Prerequisite(s): None
Co-requisite(s): EPO 125L , EPO 110
An introductory course in marine engineering that develops a basic understanding of common shipboard systems: their function, arrangement, major components and principles of operation. Hands-on studies of the engineering systems aboard the *Training Ship GOLDEN BEAR* reinforce engineering system concepts discussed in class. Completion of shipboard practical training requirements familiarize the student with the watch routine and safety equipment in preparation for follow-on practical training at sea.
ET

EPO 125L - Introduction to Marine Engineering Lab

Lab Hours: 2, Units: 1
Prerequisite(s): None
Co-requisite(s): EPO 125, EPO 110
This lab studies primary engineering systems aboard the *Training Ship GOLDEN BEAR*. Topics of study include shipboard familiarization; measurement methods; main engine jacket water system; fuel oil storage - transfer and supply; fuel oil injection systems; lube oil system; gear train and clutch; cooling water systems; environmental protection systems; starting air system; distillation plant; and basic shipboard firefighting and safety. Students are given engineering system tracing assignments including main engine jacket water system, main engine fuel supply system, main engine lubricating oil system, central fresh water cooling system, and main engine starting air system.
ET

EPO 195 - Special Topics

ET

EPO 210 - Plant Operations II

Lab Hours: 3, Units: 1
STCW Requirement: ♦
Prerequisite(s): EPO 110
Continuation of the practical work performed on the training ship or in facilities maintenance lab. Equipment maintenance is emphasized with work on diesel engines, air compressors, generators, electrical equipment and pumps. Lab reports will be completed on work performed.
ET | Graded: Credit/No Credit

EPO 213 - Welding Lab

Lab Hours: 3, Units: 1
STCW Requirement: ♦
Prerequisite(s): None
A laboratory course that provides the experience in welding, brazing, cutting, and burning techniques sufficient to effect emergency repairs and routine maintenance of engineering structures and systems.
ET

EPO 214 - Boilers

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): EPO 125
Comprehensive study of fossil fuel steam generators, with emphasis on marine propulsion plants. Studies include the principles of boiler design and construction, boiler auxiliaries, principles of combustion, heat recovery equipment, automated boiler controls, and boiler water treatment. In addition, the course prepares students for the steam plant section of the U.S. Coast Guard Third Assistant Engineer's Exam.
ET

EPO 215 - Manufacturing Processes I

Lab Hours: 3, Units: 1
STCW Requirement: YES
Prerequisite(s): None
An introduction to machine shop practices utilizing engine lathes and milling machines, precision measuring instruments and hand tools. Assigned projects include execution of designs developed by students in prior graphics design courses.
ET

EPO 217 - Shipboard Medical

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): Senior Class Standing
Practical applications and the principles of First Aid and Medical Care. Topics include body structure and function, resuscitation techniques, and bleeding control. Shock management, burns and scalds, cold and heat effects, rescue and

casualty transport, toxicological hazards, spinal injuries, fractures, dislocation and muscular injuries, radio medical advice, pharmacology, sterilization, cardiac arrest and drowning.
ET

EPO 220 - Diesel Engineering I

Class Hours: 2, Units: 1
Prerequisite(s): None
Introduction to the internal combustion engine utilized by industry and merchant vessels. Covered topics include basic theory, history of the diesel engine, gas exchange process, engine types, engine construction, engine parts, fuel injection, and merchant vessel propulsion. All diesel engine types are covered but emphasis is given to the crosshead type slow-speed diesel engine which is the dominant form of main propulsion for the world's merchant fleet. The course prepares students for the motor section of the USCG Third Assistant Engineer's examination.
ET

EPO 220L - Diesel Engineering I Lab

Lab Hours: 2 Units: 1
Prerequisite(s): EPO 100, EPO 125, EPO 125L
Co-requisite(s): EPO 220
Laboratory supporting EPO 220 Diesel Engineering I.

EPO 230 - Steam Plant System Operations

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): CRU 150, EPO 125
A hands-on learning experience in the Steam Plant Simulator. An introduction to the engineering systems, operating and emergency procedures, and watch requirements of a steam propulsion plant.
ET

EPO 235 - Steam Plant Watch Team Management

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): EPO 214, EPO 230
A hands-on learning experience in the Steam Plant Simulator. Develops fault analysis techniques for steam propulsion plants, communication skills in a work environment, and management abilities.
ET

EPO 310 - Plant Operations III

Lab Hours: 3, Units: 1
STCW Requirement: ♦
Prerequisite(s): EPO 210
A continuation of the practical work performed on the training ship or in facilities maintenance lab. Supervision of equipment maintenance is emphasized. The students rotate in working on main propulsion, electrical and auxiliary equipment. Lab reports will be completed on work performed.
ET

EPO 312 - Turbines

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): EPO 214
Comprehensive study of steam turbines, condensers, reduction gears, propulsion shafting, and gas turbines, with emphasis on marine propulsion plants. Steam and gas turbine controls and the thermodynamic principles of efficient steam plant operation are also included. Through the course, students will gain the knowledge to operate and maintain turbines and their auxiliary systems. In addition, the course prepares students for the steam plant section of the U.S. Coast Guard Third Assistant Engineer's Exam.
ET

EPO 315 - Manufacturing Processes II

Lab Hours: 3, Units: 1
Prerequisite(s): EPO 215
A continuation of EPO 215 - Manufacturing Processes I, emphasizing work on metal lathes and vertical milling machines.
ET

EPO 319 - Facilities Engineering Diagnostics Lab

Lab Hours: 2, Units: 1
Prerequisite(s): CRU 150
Examines the theory and application to machinery maintenance of vibration analysis, oil analysis, machinery alignment, thermography, and overall plant performance analysis. Includes the study of various machinery maintenance programs applied to facilities engineering systems, including machinery history, trend analysis, and predictive maintenance.
ET

EPO 321 - Introduction to Power Generation Plants

Lab Hours: 2, Units: 1
Prerequisite(s): EPO 220
The student will be given an introduction to the operation, performance and maintenance of simple cycle gas turbine and medium-speed reciprocating power generation systems, combined cycle gas turbine and steam turbine power plants. The course consists of lecture and practical training in engineering systems and proper operating procedures. This course will expose the student to gas and liquid fired reciprocating engines, simple cycle gas turbine as well as combined cycle plants. The emphasis of this course is Power Plant Management and will train the students in common power plant systems and how they interact with each other.
ET

EPO 322 - Diesel Engineering II/ Simulator

Class Hours: 1, Units: 1
Prerequisite(s): EPO 220
Co-requisite(s): EPO 322L
The study of engineering systems and components associated with diesel power plants. Topics include exhaust treatment equipment and advanced engine technologies applied to the reduction of harmful emissions. The course consists of lecture and practical training in diesel engine systems, normal operations and maintenance, and casualty procedures.
ET

EPO 322L - Diesel Engineering II/ Simulator Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): EPO 220
Co-requisite(s): EPO 322
In the Diesel Plant Simulator the student will learn to operate a heavy-fuel diesel-propulsion plant under normal operating and emergency conditions. Students will learn to work effectively as a team to diagnose combustion and machinery faults representative of those encountered in operating diesel power plants. This course will emphasize Engine Team Management techniques utilizing the simulator as an instructional tool to train the students in good communications and problem solving even during stressful conditions.
ET

EPO 343 - Refrigeration & A/C

Class Hours: 1 Lab Hours: 1 Units: 1
Prerequisite(s): ME 240
Introduction to refrigeration and air conditioning systems on merchant vessels. Basic thermodynamics theories of refrigeration systems: compressors, condensers, evaporators, control devices; environmental regulations, requirements; operational procedures: maintenance, troubleshooting and repair.

EPO 390 - Independent Study

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ET

EPO 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
ET

EPO 413 - Advanced Welding and Fabrication

Lab Hours: 3, Units: 1
Prerequisite(s): EPO 213, EPO 215
A practical experience in taking a fabrication project through each step to completion. Scheduling, drawings, materials lists, various fabricating techniques, and teamwork are all part of the assigned project.
ET

Engineering Technology

ET 110 - Introduction to Engineering Technology

Class Hours: 1, Units: 1
Prerequisite(s): None
A survey course introducing the engineering technology profession and curriculum. Topics in engineering education, academic success strategies, and career opportunities are covered. Also, the basic concepts of engineering analysis are introduced through the use of engineering units and significant figures in calculations. Field trips are utilized to give the students exposure to their chosen profession.
ET

ET 195 - Special Topics

ET

ET 230 - Properties of Materials

Class Hours: 2, Units: 2
Prerequisite(s): CHE 110, CHE 110L, MTH 210
Examination of the properties of materials from the atomic to the macroscopic levels, looking at crystal structures and the application of materials to engineering systems. Emphasis is on metals, but nonmetals are discussed. Mechanical properties, creep, fatigue, corrosion and failure characteristics are covered. Current usage of advanced materials is also discussed.
ET

ET 230L - Properties of Materials Lab

Lab Hours: 2, Units: 1
Prerequisite(s): CHE 110, CHE 110L, ET 230, MTH 210
Investigates the physical characteristics of materials through testing, data acquisition, and calculations. Tests conducted include tensile, fatigue, creep, impact energy, and hardenability. Students learn how the properties described in ET 230 are derived.
ET

ET 232 - Statics

Class Hours: 3, Units: 3
Prerequisite(s): MTH 210, PHY 200, PHY 200L
Force systems and the conditions of equilibrium for particles and rigid-bodies are studied in two and three dimensions. The principles of equilibrium, moments, and dry friction are applied to engineering system components and structures.
ET

ET 250 - Electrical Circuits

Class Hours: 3, Units: 3
Prerequisite(s): MTH 211, PHY 205
Co-requisite(s): ET 250L
Principles and applications of DC and AC circuit analysis, node and mesh equations, Thevenin equivalent circuits, maximum power transfer, first order transients, simple filters and amplifiers, phasors, power, power factor, and reactive power in single-phase systems.
ET

ET 250L - Electrical Circuits Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): MTH 211, PHY 205
Co-requisite(s): ET 250
Application of circuit elements and principles from ET 250 in laboratory measurements and analysis.
ET

ET 330 - Dynamics

Class Hours: 3, Units: 3
Prerequisite(s): ET 232
Force systems and motion of particles and rigid-bodies are studied in two and three dimensions. The principles of dependent and relative motion, work and energy, conservation of energy, and impulse and momentum are applied to engineering system components.
ET

ET 332 - Strength of Materials

Class Hours: 3, Units: 3
Prerequisite(s): MTH 211, ET 232
Co-requisite(s): ET 230L
Study of basic concepts in strength of materials: normal, shear, bending, and bearing stress; stress-strain relation; and design properties of materials. Practical application of structure calculations for sizing bolts, rivets, shafts, beams, columns, and pressure vessels.
ET

ET 340 - Fluid Mechanics

Class Hours: 3, Units: 3
Prerequisite(s): MTH 211, PHY 205
Co-requisite(s): ET 340L
The application of principles of incompressible fluid flow. Topics include forces in static fluids and fluids in motion, applications of Bernoulli's equation, pressure losses in pipe systems, open channel flows, pump selection, and air flow in ducts.
ET

ET 340L - Fluid Mechanics Lab

Lab Hours: 2, Units: 1
Prerequisite(s): MTH 211, PHY 205
Co-requisite(s): ET 340
ET

ET 342 - Refrigeration and Air Conditioning

Class Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): ET 344
Co-requisite(s): ET 342L
Introduction to basic refrigeration and air conditioning principles and equipment. Included are the theory and application of direct and indirect refrigeration cycles commonly found on merchant ships and ashore including main

cargo freezers, air conditional systems, chill water systems, absorption systems, refrigerated vans, and ice machines.
ET

ET 342L - Refrigeration and Air Conditioning Lab

Lab Hours: 2, Units: 1
Prerequisite(s): ET 344
Co-requisite(s): ET 342
ET

ET 344 - Thermodynamics

Class Hours: 3, Units: 3
Prerequisite(s): PHY 200, PHY 200L
Basic laws of thermodynamics and their applications to heat-power machinery applied on shipboard heat-power plants, steam and gas turbines, internal combustion engines, and vapor-compression refrigeration systems.
ET

ET 350 - Electrical Machinery

Class Hours: 3, Units: 3
Prerequisite(s): ET 250, ET 250L
Co-requisite(s): ET 350L
Principles and application of magnetic circuits and transformers, three-phase power, power factor correction, DC motors and generators, three-phase AC motors and alternators, single-phase motors, stepper motors, electronic motor control, and circuit protection devices.
ET

ET 350L - Electrical Machinery Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): ET 250, ET 250L
Co-requisite(s): ET 350
Application of the principles from ET 350 in laboratory measurements and analysis.
ET

ET 370 - Electronics

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): COM 220, COM 220L, ET 250, ET 250L
Co-requisite(s): ET 370L
Principles and application of electronic circuits and components, microcontrollers, operational amplifiers, comparators, peak detectors, active filters, timer circuits, AD conversion, serial communication, and micro electromechanical systems.
ET

ET 370L - Electronics Lab

Lab Hours: 2, Units: 1
Prerequisite(s): COM 220, COM 220L, ET 250, ET 250L
Co-requisite(s): ET 370
Application of the principles from ET 370 in laboratory measurements and analysis, followed by a comprehensive team project.
ET

ET 390 - Independent Study

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ET

ET 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
ET

ET 400 - Instrumentation and Measurement

Class Hours: 3, Units: 3
Prerequisite(s): ET 370, ET 370L
Co-requisite(s): ET 400L
A study of instrumentation devices and their uses in monitoring processes. Instrumentation used for measuring temperature, pressure, level, flow, position and motion as well as other types of analytical measurement are studied. In addition to instrumentation, the principles of signal conditioning are also studied including op-amp applications, filtering, applications to pneumatic systems, and digital signal conditioning. Concludes with a study of how instrumentation relates to modern data acquisition systems; how to optimize measurements and effectively analyze measured signals. Laboratory applications are investigated concurrently with course topics.
ET

ET 400L - Instrumentation and Measurement Lab

Lab Hours: 2, Units: 1
Prerequisite(s): ET 370, ET 370L
Co-requisite(s): ET 400
This lab is designed to study principles introduced in ET 400 - Instrumentation and Measurement. Lab procedures include studies involving signal conditioning, Wheatstone bridge applications, use of operational amplifiers for signal conditioning, Boolean logic, thermal transducers, strain gage measurements, variable capacitance transducers, and optical transducers. Computer-based data acquisition methods are used in all the procedures.
ET

ET 442 - Heating, Ventilation, and Air Conditioning

Class Hours: 2, Units: 2
Prerequisite(s): ET 342, ET 342L

Co-requisite(s): ET 442L
This is the final course in a two course series of applied thermodynamics with regards to refrigeration/air conditioning cycle. This course will focus on the HVAC requirements of facilities with application to ships as well as any facility. Designing of HVAC systems, including heat balance, duct design and fan selection will be used to examine the system requirements and to examine potential modification to the existing system. The course will prepare the student for the Fundamentals of Engineering (FE) and United States Coast Guard (USCG) exams.
ET

ET 442L - Heating, Ventilation, and Air Conditioning Lab

Lab Hours: 2: Units: 1
Prerequisite(s): ET 342, ET 342L
Co-requisite(s): ET 442
ET

ET 460 - Automation

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): ET 400, ET 400L
Co-requisite(s): ET 460L
A study of automation in power plants, engineering processes, and manufacturing processes leading to an understanding of modern control systems. Principles of analog and digital control systems are studied, as well as measurement methods and final control valves and actuators. PID (proportional plus integral plus derivative) control applications and programmable logic controllers are also studied. Modeling, measurement and control of mechanical, thermal, fluid, and electrical systems are investigated.
ET

ET 460L - Automation Lab

Lab Hours: 2, Units: 1
Prerequisite(s): ET 400, ET 400L
Co-requisite(s): ET 460
This lab is designed to study principles introduced and discussed in ET 460. Lab procedures include introduction to the concepts of closed loop control, PLC (programmable logic controllers) programming, pneumatic logic and control applications, a study of frequency response in systems (Bode plots), and process loop tuning methods.
ET

ET 490 - Power Engineering Technology

Class Hours: 3, Units: 3
Prerequisite(s): ET 344, ET 350, ET 350L
Co-requisite(s): ET 490L
A capstone course in engineering technology in which students apply the engineering fundamentals of previous thermodynamics and electrical machinery coursework to studies of combustion processes, combustion by-products and emission abatement and electrical distribution and transmissions systems commonly found in modern marine propulsion plants and the power industry. Additionally, through guest lecturer presentations and/or field trips, students will become familiar with renewable energy resources. As a research project, students will conduct an energy audit of a virtual facility and develop an engineering model for application of "green" technologies to improve energy efficiency and reduce the carbon footprint.
ET

ET 490L - Power Engineering Technology Lab

Lab Hours: 2, Units: 1
Prerequisite(s): ET 344, ET 350, ET 350L
Co-requisite(s): ET 490
In the Power Laboratory, students will perform thermodynamic analyses of operating power generation equipment.
ET

English and Communication

EGL 100 - English Composition

Class Hours: 3, Units: 3
General Education: Area 1A English Composition (formerly Area A2) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): Passing score on EPT, or otherwise exempt from remediation.
Prepares students for academic reading, writing, and critical thinking tasks encountered in the undergraduate career. Students will read and compose multiple genres and rhetorical perspectives of effective writing. Focus on research methods, citations, drafting and editing strategies. This course may not be challenged by examination.
CC

EGL 101 - Stretch English Composition I

Class Hours: 3 Units: 3
Prerequisite(s): None
First semester of a year-long developmental composition course which introduces and prepares students for academic reading, writing, and critical thinking tasks encountered throughout the undergraduate career. Graded on a Credit/No Credit (CR/NC) basis.
CC Graded: CR/NC

EGL 102 - Stretch English Composition II

Class Hours: 3 Units: 3
General Education: Area 1A English Composition (formerly Area A2) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): EGL 101
Second semester of a year-long developmental composition course which introduces and prepares students for academic reading, writing, and critical thinking tasks encountered throughout the undergraduate career.

EGL 110 - Speech Communication

Class Hours: 3, Units: 3
General Education: Area 1C Oral Communication (formerly Area A1) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): None
Principles of oral communication and public speaking. Designed to help students in occupational and social situations by improving self-expression, self-confidence, and self-understanding, while paying attention to the basic elements of organization and delivery.
CC

EGL 120 - Professional Communication

Class Hours: 3, Units: 3
General Education: Area 1C Oral Communication (formerly Area A1) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): None
Focuses on aspects of professional communication (oral, visual, graphical and written).
(Formerly ENG 120) CC

EGL 195 - Special Topics

CC

EGL 200 - Introduction to Literature

Class Hours: 3, Units: 3
General Education: Area 3B Humanities (formerly Area C2) - lower division
Prerequisite(s): None
Introduces the critical evaluation of literature in a variety of genres. Students will analyze major works of poetry, fiction, and drama and develop their written and oral communication skills in group discussions and frequent writing assignments.
CC

EGL 220 - Critical Thinking

Class Hours: 3, Units: 3
General Education: Area 1B Critical Thinking (formerly Area A3) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): EGL 100 or EGL 102 with a grade of C- or higher
Introduces the use of critical thinking skills with emphasis on examining those structures or elements of thought implicit in all argumentation: deductive and inductive reasoning; logical fallacies; implications, assumptions, and consequences; denotative and connotative elements in language; and rhetorical modes and methods.
CC

EGL 225 - Creative Writing

Class Hours: 3, Units: 3
General Education: Area 3A Arts (formerly Area C1) - lower division
Introduction to creative writing, with an emphasis on style and self-expression in prose and poetry. Through a combination of lecture, small class discussions, and intensive workshops, students will develop the elements of their own literary practice.
EGL-325 CC

EGL 300 - Advanced Writing

Class Hours: 3, Units: 3
Prerequisite(s): A grade of C- or above in EGL 220; Junior Class Standing.
Writing proficiency course in which students refine and hone their reading, thinking, and composing skills in multiple genres, with specific audiences and purposes.

Fulfills the Graduate Writing Assessment Requirement (GWAR).

CC

EGL 301 - Project-Based Writing for Science

Class Hours: 3 Units: 3
Prerequisite(s): A grade of C- or higher in EGL 220; OCN 380
Course in professional communication for scientists. Students will practice a variety of modes and techniques to communicate research to diverse audiences.
Fulfills the Graduate Writing Assessment Requirement (GWAR)
CC

EGL 302 - Nonfiction Writing

Class Hours: 3 Units: 3
Prerequisite(s): A grade of C- or above in EGL 220; Junior Class Standing.
Advanced instruction and practice in several forms of nonfiction writing; may include personal and braided narrative.
Fulfills the Graduate Writing Assessment Requirement (GWAR).
CC

EGL 305 - Twentieth-Century American Literature

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Representative readings in American literature of the 20th century, with emphasis on writers who have had the most significant influence on American literary thought and value.
CC

EGL 309 - British Literature of the Sea

Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Survey of maritime literature of the British Empire from its colonial origins in the early Atlantic world to the modern period.
CC

EGL 310 - U.S. Literature of the Sea

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Survey of U.S. works of literature with a maritime focus. Students will explore and analyze the way the sea has been represented by American writers, particularly how U.S. maritime literature constructs a national identity and advances or critiques the nation-building enterprise.
CC

EGL 315 - World Literature of the Sea

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Survey of global works of literature thematically categorized by their maritime focus. Students will explore and analyze the way the sea has been represented by international postcolonial writers in a variety of cultural texts.
CC

EGL 320 - Literature of the Fantastic

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Introduces students to a wide variety of literature and film with fantastical elements. Students will explore how writers, filmmakers, and other artists imagine fictional worlds in order to explore issues relevant to our own.
CC

EGL 330 - Literature and Psychology

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Students analyze how various psychological principles and theories may be applied to works of fiction, film, and visual arts. Students will join writers, filmmakers, and other artists in exploring how human minds work.
CC

EGL 340 - Multicultural Literature in America

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Examines socio-cultural diversity through writings of authors from underrepresented groups of race, ethnicity, gender, sexual orientation, disability, and language.
CC

EGL 345 - Literature and the Environment

Class Hours: 3 Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Examines major trends that shape how Anglophone writers understand and write about their environments, and considers how those trends influence human feeling towards the more-than-human world.
CC

EGL 350 - Literature and Technology

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Survey of literature exploring the criteria that have defined humanity and humanity's relation to technology from 1700 to the present.
CC

EGL 390 - Independent Study

Class Hours: 1-3 Units: 1-3
An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Office of the Registrar by the end of the add period.
CC

EGL 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
CC

Firefighting

FF 100 - Basic Marine Firefighting

Class Hours: 16 Units: 0
STCW Requirement: YES
This US Coast Guard-approved course consists of 16 hours of lecture and practical skills demonstrations. This STCW 2010 required course covers required basic marine firefighting skills.

FF 200 - Basic/Advanced Marine Firefighting

Units: 0
STCW Requirement: ♦
This course is a requirement for all students enrolled in a USCG license program, although it is administered by Extended Learning.
XL | Graded: Credit/No Credit

FF 300 - Advanced Marine Firefighting

Class Hours: 32 Units: 0
STCW Requirement: YES
Prerequisite(s): FF 100 and NAU 205 or ENG 430
The existing firefighting class has components of basic and advanced firefighting training skills and the combined class (FF 200) is being divided into Basic Marine Firefighting (FF 100) and Advanced Marine Firefighting (FF 300) classes.

Global Studies and Maritime Affairs

GMA 100 - Introduction to International Relations

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None

The nature of the changing relations between nation-states and with non-state actors including the functioning of the international system - the interaction and challenge of forces, factors and interests, customs, rules, norms and institutions.
ISS

GMA 105 - Ocean Politics

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None
Economic, security and environmental aspects of the world's oceans, focused on the international dimesions of the oecan as a global resource and its governance through conflict and/or cooperation.
GSMA

GMA 115 - Introduction to Security Studies

Class Hours: 3 Units: 3
A study of the main theoretical foundations and key concepts in security studies as well as an assessment of the main institutions and key contemporary challenges in global security.
ISS

GMA 195 - Special Topics

General Education: Area D Social Science - lower division
Elective course on various topics concerning security, strategy, policy, law, environment or global soceity. Check the course schedule for current offerings.
GSMA

GMA 215 - Introduction to Comparative Politics

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None
The course provides an introduction to important themes of comparative political analysis, in order to identify and explain differences in political systems and political life across different states and regions of the world. The course focuses on the development of the fundamental elements of modern political systems: state, nation, market, civil society, democracy, and authoritarianism. Throughout, close attention will be paid to interactions between these elements - for example, between states and markets, or between civil society and authoritarian regimes. The course also focuses on the role of institutions, such as political parties and constitutional structures, in shaping these interactions.
GSMA

GMA 220 - Comparative Maritime Policies

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): GMA 105, GMA 215
Provides an overview of the central concepts and approaches of comparative maritime policy and places in a broader world setting by presenting, within an integrated fashion, many of the organizing concepts, findings and theories that structure and define the discipline. In addition to learning the specifics about the conduct of maritime politics in a variety of different countries, students will learn the basic concepts, theories and general patterns that explain maritime political behavior and political outcomes both within and across the broad system types. We will emphasize many

current maritime issues, events, and problems in our world today and try to gain some theoretical perspective on them.
GSMA

GMA 225 - Southeast Asia: Maritime and Mainland

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None
Historical-politica development, contemporary conflicts, maritime disputes and global connections betwee Vietnan, Laos, Cambodia, Thailand, Myanmar, Layaysia, Indonesia and the Philippines.
GSMA

GMA 230 - U.S. Maritime Policy

Class Hours: 3, Units: 3
Prerequisite(s): GMA 105
GMA 230 is intended as an introductory course in United States maritime policy. This course examines the process through which United States maritime policy is formulated and analyzes its domestic and international implications. Current issues in facing the U.S. maritime community are central to the course, and special attention is paid to port issues and security policies. The course is structured by two fundamental components: the historic evolution of U.S. maritime policy and the analysis of contemporary policy. Students are encouraged to think critically about U.S. maritime policy, both past and present, and offer new ideas that create an encouraging future.
GSMA

GMA 235 - GIS Mapping & Spatial Analysis

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None
Geographic Information System (GIS) uses software to visualize, question, analyze and interpret data to understand relationships, patterns and trends in geopolitics, transportation, logistics, communication, marine spatial planning, ocean and coastal science.

GMA 240 - World Geography

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division (formerly Area D lower division)
Prerequisite(s): None
Systematic study of global regions; including natural environments,demographics, migration, cultures, politics and political livelihoods.
Formerly GMA102 GSMA

GMA 300 - U.S. Foreign Policy

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): GMA 100, GOV 200
Examines the manner in which U.S. foreign policy is made and analyzes the implications of this policy-making process; with an emphasis on current issues in US foreign and international maritime policies. Focuses on the goals and inputs of US foreign policy to understand how international, domestic, and individual constraints affect the policy process and outcomes. Encourages students to think creatively about the choices available to political leaders and why,

in the face of alternatives, a particular course of action or policy tends to be selected.
GSMA

GMA 310 - The Geopolitics of Energy

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): GMA 100
Oil has been the most important natural resource of the twentieth century. Its price and availability determine the macroeconomic health and stability of economies; access to it determines the foreign policies of many nations; and nations have been willing to go to war to secure its guaranteed access. This course explores the history of oil exploration, the policies that have informed national and international attention to energy procurement (or acquisition), and the geopolitics that have accompanied the development of the world's oil industry.
GSMA

GMA 315 - China and Its Neighbors

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): None
Historical and contemporary relationships between China, Japan and the Lorean Peninsula as context for undersanding current issues and events.
GSMA

GMA 320 - Ocean Environmental Management

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): None
Case study approach to understanding major ocean environmental problems and the various solutions to resolving them through science and public, with special attention to the role of media.
GSMA

GMA 325 - Indian Ocean Rim

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
The countries of the Indian Ocean Rim and the island states within it. Strategic straits and chokepoints, the "blue economy", compeition between the great and rising powers, maritime security and piracy.

GMA 330 - Maritime Security

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): GMA 100 or GMA 105
Addresses main threats and challenges in the global maritime domain, specifically those that affect the security and prosperity of nation-states and the health of the oceans.
GSMA

GMA 335 - Maritime California

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): None
Focuses on maritime issues and infrastructure of California, including its ports, interconnected waterway system, state maritime institutions, coastal zone management and marine environmental issues.
GSMA

GMA 340 - International Migration

Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Why people migrate, where human populations migrate to and from, the economic, political and social implication. Migration theory applied to historical and modern day migration events, mass migration movements and their effects.
GSMA

GMA 345 - Asian Security

Class Hours: 3, Units: 3
This survey course in contemporary Asian regional and national security is a fairly challenging 300-level course designed primarily for GSMA majors and minors with a strong interest in international politics. Just how dangerous disputes in the region are, what the elements of regional security are, which countries' actions should be treated as threats to security, and what forms of cooperation best safeguard security are among the divisive issues examined. Though military and strategic concerns are addressed, the course puts great emphasis on the generally neglected areas of human, environmental and resource security, and issues of sustainable development and social justice. Everyone enrolled in the class should have a serious interest in contemporary security issues and a willingness to work hard.
GSMA

GMA 350 - Political Geography

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): GMA 100 or GMA 215 or Permission of the Instructor
Concepts of geopolitical power and territoriality, including airborne, space-based, and waterborne posession and acquisition, as expressed through identities, regions and states.
GSMA

GMA 355 - Cross-Cultural Competence

Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division or Area E)
Interactive class to develop cross cultureal skills to navigate differences in worldview, religion, language, ethnicity, family structure, cuisine and music. Activities include lecture, discussion, workbook exercise, video and student scenario enactments.

GMA 360 - Globalization

Class Hours: 3, Units: 3
Prerequisite(s): None
The course is an overview of theories and issues in contemporary international political economy. Throughout the course, we will be concerned with the general question of how the global economic system bears on the power of the

state, along with the strategies states develop to deal with an international economy increasingly beyond their individual control. The course is divided into several parts. The first examines the development of the international economic system since the Great Depression, as well as the theories claiming to account for this development. The second part addresses current issues and challenges dealing with the process of globalization, including but not limited to the following: 1) global economic integration and new patterns of economic interaction, including the region state, the virtual state, and the world city; and 2) the globalization and computerization of financial markets. Part III examines regional issues in the context of globalization: specifically, the challenges the Euro, Russia, China, and Third World nations present to the existing global order. Additionally, we will examine environmental degradation in the context of globalization. The course ends with a discussion of the future of capitalism.
GSMA

GMA 365 - Polar Politics

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Politica, social, economic and environmental issues in the Artic and Antartic regions, focusing particulary on implications of climate change, new trade routes, strategic competition and environmental security.

GMA 370 - International Political Economy

Class Hours: 3 Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning - upper division (formerly Area B upper division)
Prerequisite(s): EGL 100 or EGL 102 EGL 110 EGL 220 and MTH 107
GSMA

GMA 380 - Model UN

Class Hours: 3 Units: 3
This course provides an overview of the United Nations as an international organization and a chance to participate in and contribute to in-depth simulations on international diplomacy and global issues.
ISS

GMA 390 - Independent Study

Class Hours: 1 - 3 Units: 1 - 3
Substantial study above and beyond the regular offerings in the catalogs, by instructor agreement and permission. An *Approved Application Independent Study* must be filed by the end of the add/drop period.
GSMA

GMA 395 - Special Topics

General Education: Area D Social Science - upper division
Elective course on various topics concerning security, strategy, policy, law, environment, or global soceity. Check the course schedule for current offerings.
GSMA

GMA 405 - International Maritime Organizations

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)

Prerequisite(s): GMA 100
Maritime governance through international regimes such as the International Maritime Organization (IMO) and the United Nations Convention of the Law of the SEA (UNCLOS). The impact of such regimes on the U.S. maritime sector of the economy.
GSMA

GMA 415 - Strategy and War

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): GMA 100 GOV 200
A global overview of the processes and mechanisms from war to diplomacy that political actors have historically employed and currently use to achieve their strategic objectives. Studies how actors align available means to desirable ends, with a particular focus on strategic planning and strategic interactions.
ISS

GMA 420 - Cybersecurity

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Explores emerging cyber threats from a policy perspective, placing these threats in the greater context of cybersecurity and cyberwar in general. Questions addressed include the range of types of cyberattacks, specific threat actors who utilize cyberattacks, influential past cyberattacks, and how institutions like the maritime industry can prevent cyberattacks.
ISS

GMA 425 - Civil Conflict

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
An introduction to the theoretical and empirical study of civil conflict that examines why civil conflicts begin and how civil conflicts are resolved. This course will both survey broader theoretical approaches to studying civil conflicts as well as dedicate time to discussing specific cases of civil conflict.
ISS

GMA 450 - Special Topics in Maritime Policy

Class Hours: 3, Units: 3
Prerequisite(s): Upper-Class Standing
This course will provide a forum for the study of a single issue in maritime policy: one for which there may be neither the demand nor the resources to justify a regular course. Topics may include (but are not limited to) the following: marine invasive species, maritime labor issues, fisheries management, port security, and other timely topics in maritime affairs as they arise. Students may repeat the class for credit as the topic changes.
GSMA

GMA 460 - Senior Thesis

Class Hours: 3, Units: 3
Prerequisite(s): Senior standing or by instructor permission.
Co-requisite(s): 460L
Formulating a research question, selecting methodology and sources, writing outlines and sequential drafts; culminates

in a final 40-page thesis at the end of the semester, with in-class presentations of work at appropriate intervals.
(Formerly GMA 401) GSMA

GMA 460L - Senior Thesis Research Lab

Class Hours: 1, Units: 1
Co-requisite(s): GMA 460
GMA 460L will provide hands-on instruction and practice in research methods for Global Studies, in support of completion of the GSMA Senior Thesis of GMA 460.
(Formerly GMA 401L) LIB

GMA 461 - Senior Qualifying Exams

Class Hours: 3, Units: 3
Prerequisite(s): Senior standing or by instructor permission.
Preparation for comprehensive written and oral exams on sub-fields and basic concepts in the major; team learning communities work on directed reading, discipline-specific research, and mock responses under direction of the instructor.
(Formerly GMA 400) GSMA

Government

GOV 200 - American Government

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division; American Institutions II (government). (formerly Area D lower division)
Prerequisite(s): None
The basic premises underlying American political institutions and behavior since World War II are analyzed through the application of generalized socio-political concepts to specific cases. A major course objective is a better understanding of the nature and function of contemporary state and federal political forces shaping principles and policies behind our lifestyle. (Fulfills the state graduation requirements for U.S. Constitutions, California State and local government, and Cal Maritime's government elective.)
GSMA

Graduate Courses

TEM 500 - Project Management

Students understand and gain experience in using modern methods and practices for managing projects from small to extremely extensive. Students work individually and in teams to experience managing a project, analyze case studies on specific topics in the field, and practice problem solving using the important concepts, methods and software for scheduling and resource management. Topics include: Organizing and managing projects; selection of alternate projects using financial viability, suitability of the end product, time of delivery, and quality as criteria; defining scope; scheduling and resource management; budgeting and control; ending projects and learning from them for the future. Examples will be drawn from operations such as engineering and supply chains, including a maritime link.

TEM 510 - International Transportation Economics

Students learn to apply microeconomic principles, especially in the field of freight transportation, with special attention to international transport and maritime related scenarios. Students use classical and behavioral microeconomic methods and practices to illuminate the management of enterprises and assets in transportation markets, as well as in their global settings and in the presence of external influences such as regulation and political and social concerns. Students work individually and in teams to analyze case studies on specific topics in the field, and practice issue diagnosis and explanation using the important concepts and methods covered. Topics include: Modern theories of transport supply and demand, the firm and costs, industrial organization in markets, externalities, regulation, and models of social welfare. Examples will be drawn primarily from freight transportation scenarios, including a maritime link.

TEM 520 - Organizational Behavior and Management

This course explores transitions and trends in the environment of contemporary global business processes and activities. Its main focus is the human resources channel of the supply chain, including the primary functions of recruiting, training, and work force maintenance. Within this primary focus, control mechanisms (such as protection of the confidentiality of employee records), labor relations, leadership, organizing, and planning are addressed. Case examples in the maritime and logistics industry will frequently be referenced to enhance course objectives.

TEM 530 - Financial Management

A course of study in the principles of finance at the level of the business unit. Students will learn the core fundamentals, concepts and techniques of finance. Topics include security valuation, time value of money, financial statement analysis, capital budgeting, and working capital management. Students will gain an appreciation of the capital markets and application to real world investing.

TEM 540 - Information Systems

Students learn some elementary systems analysis principles, and investigate the structure and operations of large, complex modern computer networks. Students survey the major systems used for decision making and data management in international logistics and engineering oriented concerns, and obtain a working knowledge of the functions and data required for each, and how the pieces fit together into a strategy for getting the right information to the right decision maker at the right time. Special emphasis placed on systems particularly important in transportation, logistics, and maritime related firms, and those important in supply chain command and control. Students also learn how to participate in or lead a system design and implementation project.

TEM 600 - Global Logistics and Supply Chain Management

Logistics is the science of movement of materials from raw material to the customer in the globalized economy; Supply Chain Management focuses on understanding techniques and strategic issues in the successful movement of products from their origins as raw materials to their final destinations as finished products, including the impact of culture, strategic planning, organization, and management control. Specific topics include customer service, e-commerce, facilities location, routing and pricing, storage, transportation, emerging technologies, and re-engineering the supply chain. Emphasis will be placed throughout on the maritime component, with frequent use of case studies.

TEM 610 - International Transportation Law

Explores legal issues in transportation, logistics and supply chain management in a globalized economy. Topics include freight charges liability; loss, damage and delay claims, billing disputes, over-charge and undercharge claims; bills of lading; freight classification system; cargo insurance; applicable international legal treaties and conventions; and the current state of international transportation law.

TEM 620 - International Trade and Finance

This course focuses on trade and finance in a globalized economy. Trade topics include the current structure of the international trading system, global trade treaties and agreements, and the impact of e-commerce on traditional trade constructs. Financial topics include raising capital in the global economy, the management of investment and exchange risk, and global financial treaties and agreements.

TEM 630 - Port and Terminal Management

An advanced course dealing with modern port and terminal operations, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo management, and integration of marine port and terminal operations with other modes of transportation. The student will gain an introduction to several different types of marine terminals, including containerized liner facilities, dry bulk, and liquid bulk facilities, ro-ro terminals, and others.

TEM 700 - Systems Engineering Management

Introduces students to the principles and processes of systems engineering, from concept development through system integration, testing and life cycle support. The course explores a disciplined approach to identifying user needs, translating those needs into a complete system specification, and verifying that requirements are met. A team project related to deployment of a large-scale complex system is used to demonstrate the integrated nature of systems engineering.

TEM 705 - Strategic Management

Topics include the managing and resolution of complex problems in engineering management; the process of crafting strategy; evaluating a company's external environment, resources and competitive position; integration and outsourcing; diversification, acquisitions and new ventures; competing in foreign markets; strategy, ethics, and social responsibility; and effective strategy execution.

TEM 710 - Technology Management and Innovation

Class Hours: 80 Units: 3
An advanced course of study focused on the management of technology and innovation in industry. Topics include: human factors; dynamics of technological innovation; formulation and implementation of management strategy; including relevant and current management case studies and simulations designed to increase critical thinking skills while exposing the student to real world scenarios.

TEM 720 - Energy Resource Management

Course participants will learn the background knowledge, concepts and management techniques necessary to create and sustain an effective energy management program within their organization, resulting in an efficient use of energy to maximize profit and minimize cost. This course will examine supply side cost structures, auditing of energy demand, strategies to reduce energy costs, energy efficient technologies, and economic analysis of energy efficiency upgrades for decision making.

TEM 800 - The Global Humanitarian System

This course considers in greater depth the humanitarian system as a whole and the resulting tensions. It compares and contrasts the actions and activities with those found in the commercial and military counterparts that will be found operating alongside the humanitarian logistic network, and focuses on the issue of the development and maintenance of inter-personal and inter-organizational trust as a critical success factor within the post-disaster response.

TEM 810 - Rapid and Slow Onset Disaster Management

This course underpins the Humanitarian Logistics track through an introduction to the disaster response cycle and a high level discussion of the key stakeholders. It considers the role of the humanitarian logistician and discusses five of the most significant challenges facing those working in this field.

TEM 820 - Humanitarian Project Management

On the basis that the whole area of the preparation and response to a natural disaster falls into the Rittel and Webber's categorization of a "wicked problem", based on academic approaches to the "taming" of such problems, this course will consider alternate ways of managing the humanitarian logistic challenge. These will be drawn from a number of fields including those of project management and procurement as well as the area of general management.

TEM 830 - National and International Humanitarian Logistics

It is recognized that there are significant differences in the philosophical approach, and consequential policies, processes and procedures adopted by different countries in their preparation and response to national and international disasters. The aim of this course is to consider the differences in such approaches, the implications for international cooperation and the extent to which best practice can be synthesized.

TEM 900 - Capstone

(To be taken upon the successful completion of all other courses) Students scope, develop, plan and execute an indepth practical project to deliver value in transportation management, engineering management or humanitarian/ disaster management, usually for an organization familiar to them. They work in consultation with the course instructor, and other faculty and representatives as appropriate in a committee selected by the student and instructor. Using knowledge acquired in the program, they devise and present workable solutions to resolve problems in their respective target enterprise.

History

HIS 100 - U.S. History (to 1877)

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division; American Institutions I (history). Area 6 Ethnic Studies (formerly Area D lower division, formerly Area F)
Prerequisite(s): None
An American history survey course with an emphasis on indigenous and African-American lived experiences and social struggles. Course contains topics including indigenous models of economy and society, initial encounters between native populations and Europeans, issues of settler colonialism and autonomy, models of enslavement and resistance, and anti-slavery activism including the abolitionist movement through emancipation and reconstruction.
ISS

HIS 101 - U.S. History (from 1877)

Class Hours: 3, Units: 3
General Education: Area 4 Social and Behavioral Sciences - lower division; American Institutions I (history). Area 6 Ethnic Studies (formerly Area D lower division, formerly Area F)
Prerequisite(s): None
An American history survey course with an emphasis on African-American, Asian-American, and Latino- and Latina-

American lived experiences and social struggles from the US civil war era into the twenty first century. Course contains topics including reconstruction and erosion of civil rights for African Americans, immigration from Asia, Latin America, and Eastern Europe, issues of nativism and white supremacy in society, culture, and public policy, American imperialism at home and abroad, public policy and growth of the prison state, and modern civil rights movements emphasizing political rights and cultural and social empowerment.
ISS

Humanities

HUM 115 - Maritime Arts

Class Hours: 3, Units: 3
General Education: Area 3A Arts (formerly Area C1 or Area E) - lower division
A study of maritime art forms used by sailors, and various traditions of coastal communities. Examines processes and art mediums through hands-on projects and literature.
CC

HUM 120 - Introduction to Visual Arts

Class Hours: 3 Units: 3
General Education: Area 3A Arts (formerly Area C1) - lower division
Hands-on introduction to culture and practice of visual arts in a wide range of media, skills and techniques. Explores literary and historical contexts of classical and contemporary art through experiential projects and lectures.
CC

HUM 195 - Special Topics

Class Hours: 3 Units: 3
General Education: Area C2 Humanities - lower division
Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities, the expertise of visiting faculty, or off-campus educational programs may afford a unique and worthwhile learning experience.
CC, ET, ME

HUM 215 - Intro to Cinema

Class Hours: 3 Units: 3
General Education: Area 3A Arts (formerly Area C1) - lower division
A study of the importance of film as an effective form of artistic expression, particularly as a reflection of worldwide values and attitudes in the Twentieth and Twenty-First Centuries. Emphasis is placed on major cinematic techniques, cinema history and the importance of film analysis. Full-length films will be viewed weekly and discussed followed by written analyses.
CC

HUM 325 - Globalization of Culture

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Examines globalization through the medium of culture. Students will explore how cultural formations including

literature, film, and the arts are produced and consumed in a globalized world.
CC

HUM 350 - Maritime Culture

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Interdisciplinary course exploring the theory of culture, maritime, & maritime culture as a subset of an evolving "Western" culture, through a variety of its products, including literature, painting, music and film.
CC

HUM 380 - Ethical Inquiry

Class Hours: 3 Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
A consideration of ethical issues through the critical and interpretative examination of texts. May include primary and secondary readings in literature, film, critical cultural studies. Equivalent to HUM 400. Satifies "ethics" graduation requirement.
CC

HUM 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
CC, ET, ME

HUM 395 - Special Topics

General Education: Area C2 Humanities - upper division
Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
CC, ET, ME

HUM 400 - Ethics

Class Hours: 3, Units: 3
General Education: Area 3 Arts and Humanities - upper division (formerly Area C2 upper division)
Prerequisite(s): EGL 220
Examines ethical dilemmas from theoretical perspectives and considers their application to personal and social issues, with an emphasis on moral reasoning and decision-making. Satisfies "ethics" graduation requirement.
CC

International Business and Logistics

IBL 100 - First Year Seminar

Class Hours: 1.0 Units: 1.0
A seminar course designed to introduce Cal Maritime cadets to the campus community and to prepare students for academic, personal, and professional success through fostering a sense of belonging, equipping students with acadmic strategies and campus resources, helping students navigate campus and department norms and expectations, engaging students in meaningful dialogue, and providing students with opportunities for self-reflection.
IBL

Law

LAW 100 - Business Law

Class Hours: 3, Units: 3
Prerequisite(s): None
Business law principles are presented at the appropriate undergraduate level for understanding those most useful and widely applied in the contemporary workplace. Students learn how the legal system facilitates business operations and discourages or controls harmful business practices. Students will recognize that the law is an integral part of our social system, both in shaping and being shaped by the broader society. Topics addressed include law as a business foundation; alternative dispute resolution, litigation and the court system; contract law principles; intellectual property; business torts and crimes; business organizations with emphasis on corporations; international business transactions and devices; real and personal property systems; ethics; and preparing contract proposals.
IBL

LAW 195 - Special Topics

IBL

LAW 200 - Environmental Law

Class Hours: 3, Units: 3
General Education: Area D Social Science - lower division
Prerequisite(s): None
This survey course presents environmental law in a marine context. The course reviews laws governing pollution, radioactive wastes, fisheries conservation, maritime occupational safety laws, and enforcement. Upon completion of the course, students will have current information concerning how environmental laws and regulations affect the mariner.
IBL

LAW 300 - International Law

Class Hours: 3, Units: 3
General Education: Area D Social Science - upper division
Prerequisite(s): None
International Law is presented in a maritime context. Topics addressed include the sources of international maritime law; the state-centric system; treaties; legal aspects of land, air, and water territories; law of the sea; piracy and maritime terrorism; ISPS Code; international jurisdiction over persons and vessels; international arbitration and courts; the law of war; and the law of war at sea. Practical, useful, contemporary knowledge is provided as well as an appreciation and discussion of the esoteric nature of international maritime law. Readings will involve case studies while lectures will offer substantive international law as it shapes the maritime world. Historic as well as current issues

will be discussed employing balanced perspective and dialogue.
IBL

LAW 315 - Admiralty Law

Class Hours: 3 Units: 3
General Education: Area 4 Social and Behavioral Sciences - upper division (formerly Area D upper division)
Prerequisite(s): Junior class standing
A broad study of admiralty law covering the development of general maritime law and American admiralty law, indicia of jurisdiction, scope of the maritime jurisdiction, substantive maritime law, maritime liens, towage, salvage, maritime torts, collision law, worker's compensation claims, wrongful death, limitation of liability and jurisdiction and procedure in maritime claims. Students will understand the roles of people, society, and organizations in the formation of admiralty law and analyze case studies with a focus on patterns of behavior and social dynamics.
IBL

LAW 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
IBL

LAW 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
IBL

Leadership

LDR 195 - Special Topics

IBL

LDR 210 - Foundations of Leadership

Class Hours: 3 Units: 3
General Education: Area D Social Science - lower division; Area E Lifelong Learning and Self Development (may be used to satisfy only one of Area D or Area E).
Prerequisite(s): None
This course is designed to assist students with developing the skills needed to be successful for a lifetime of engaged, responsible leadership. The course examines leadership in the context of a changing and culturally diverse workplace; students will gain an understanding of leadership and how this concept has developed over time. Various leadership models, from around the world and from different historical epochs, will be studied and analyzed. Additionally, students reflect on the meaning of ethics and decision-making in the contemporary world. Emphasis will be placed on interpersonal skills, team building, communication, personal development, and leadership. Students will develop personal attributes and social skills and be provided with opportunities to apply their knowledge. This course will serve

as a beginning point for an examination of issues and concepts involved in the study of leadership and begin the process of preparing students for a lifetime of engaged, responsible leadership.
IBL

LDR 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
IBL

LDR 395 - Special Topics

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IBL

Library

LIB 100 - Information Fluency in the Digital World

Class Hours: 2, Units: 2
Prerequisite(s): None
This class will provide students with an introduction to research, information management and computing technology skills that are fundamental for success in the college environment and beyond. Students will explore the research process, develop efficient search methodologies in an online environment, and learn to critically evaluate resources. Simultaneously, students will be given an orientation to the use of Microsoft Office programs, with special attention paid to information management, critical-thinking and problem-solving.
LIB ZCCM - Zero Cost Course Materials

Management

MGT 200 - Information Systems Management

Class Hours: 3 Units: 3
This course provides hands-on experience on using advanced features of Microsoft Excel to create efficient spreadsheet models of common and complex business problems. This course will cover basic to intermediate Excel functions including logic, lookup, and computational functions. The use of pivot tables and other data management techniques will be applied to real world business problems. In additional to computational techniques, students will also learning advanced charting and data visualization techniques.

MGT 205 - Organizational Behavior and Labor Relations

Class Hours: 3, Units: 3
Prerequisite(s): None
Presents the student with a comprehensive overview of the theory and practice of planning and managing human capital in business organizations. The student acquires knowledge and understanding of human resource management,

unionism, multiculturalism, diversity, and the integration of business and government in organizing, planning, and controlling human resources.
IBL

MGT 310 - Port and Terminal Management and Operations

Class Hours: 3, Units: 3
Prerequisite(s): ECO 100, MGT 100 or MGT 105 or NAU 108
This course provides an overview of modern port and terminal operations, including logistics processes such as on-dock rail, strategic and tactical planning, harbor drayage, terminal gate protocols, equipment and cargo management, and integration of marine port and terminal operations with other modes of transportation. The student will gain an introduction to several different types of marine terminals, including containerized liner facilities, dry bulk, and liquid bulk facilities, ro-ro terminals, and others. The class presentation will be rooted in a brief historical review of developments in maritime industry and policy.
IBL

MGT 355 - Procurement and Negotiations

Class Hours: 3 Units: 3
Prerequisite(s): Junior or Senior Standing
A quantitative study of strategic interaction, supply chain coordination, contract management, assortment planning, and vendor performance evaluation.

MGT 380 - Project Management

Class Hours: 3 Units: 3
Prerequisite(s): Junior or Senior Standing
A survey of the knowledge, skills, tools, and techniques used to meet specific project requirements and execute projects effectively and efficiently.

MGT 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
IBL

MGT 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
IBL

MGT 400 - Strategic Management

Class Hours: 3, Units: 3
Prerequisite(s): Senior Class Standing
A capstone course that requires computer modeling and the use of most of the courses in the business curriculum to

solve problems in business management. Because the course is an integrative case study course, students must use knowledge acquired in management, finance, accounting, and statistical analysis.
IBL

MGT 410 - Quantitative Managerial Methods

Class Hours: 3, Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning - upper division (formerly Area B upper division)
Prerequisite(s): MTH 107 MGT 305
Practical applications of mathematical models for managerial decision-making. Topics include basis for optimization of decisions; linear and integer programming; transportation problems, queuing theory and simulation. Use of MS Excel as a tool for conducting optimization studies.
IBL

MGT 415 - Operations Management

Class Hours: 3, Units: 3
Prerequisite(s): MTH 107
Focuses on the concepts of production management. Topics include a discussion of manufacturing and service processes and strategies, production capacity analysis, quality management and other concepts.
IBL

MGT 420 - Supply Chain Management

Class Hours: 3, Units: 3
Prerequisite(s): MTH 107
Students focus on understanding basic techniques and strategic issues of global supply chain management, including the impact of culture, strategic planning, organization, and management control, which add value during the successful movement of products from their origins as raw materials to their final destinations as finished products. Specific topics may include customer service, e-commerce, facilities location, routing and pricing, storage, transportation, emerging technologies, and re-engineering the supply chain. Examples will be drawn from supply chains including a maritime link.
IBL

MGT 425 - Quality Management

Class Hours: 3 Units: 3
Quality management improvement systems. Management of quality in manufacturing, service and public sectors; quality control and assurance; quality costs; Total Quality Management (TQM), Six-Sigma Process and the DMAIC approach; morality and ethics of quality; Statistical Quality Control methods; design and implementation of quality-related procedures; Statistical Process Control and Capability Analyses.

MGT 430 - International Supply Chain

Class Hours: 3 Units: 3
Explores the key issues associated with the design and management of international supply chains. Gain an understanding of the complex issues facing managers of global supply chains and the challenges of the more volatile global economy. Topics include, but not limited to: global dimensions of supply chains; strategic sourcing process; strategic value-adding role operations and distribution plays in the international supply chain; current transportation management strategies used to improve supply chain performance; capabilities of an integrated supply chain

information system; coordination and integration of functions across the supply chain; influence of competitive globalization drivers; uncertainty, risk and flexibility in the international supply chain context; aligning supply chains; reverse logistics systems. Examines supply chain practices of many global companies.

MGT 435 - Marine Insurance

Class Hours: 3 Units: 3
Prerequisite(s): Junior or Senior standing (First priority given to IBL majors).
(As it will appear in the course catalog.) An introduction to the history and types of marine insurance, its regulatory environment, types of ships, carriers, cargo, as well as forms, contracts, policies, different classes of risk, and types of claims. Chartering and brokerage are also introduced. Guest speaker visits as available.

MGT 440 - Logistics Case Analysis

Class Hours: 3, Units: 3
Prerequisite(s): MGT 340, MGT 420
This is a capstone course in logistics management requiring students to utilize and integrate their knowledge acquired in courses taken previously which deal with supply chains, transportation, and logistics. Several modes of learning advance students' ability to analyze complex logistics and supply chain scenarios and make decisions. Student teams compete in a logistics operations simulation with the goal of maximizing logistics contribution through their decision making. Case studies with both written reports and presentations teach students to apply modern principles and practices to achieve competitive advantage. Short critical reviews of current journal articles show how modern techniques are applied. A logistics consulting project with an outside client allows students to see and deal with real situations and practitioners. Quantitative and qualitative modeling techniques will be employed and Microsoft Excel, as well as other computer software, will be utilized.
IBL

MGT 445 - Maritime Innovation

Class Hours: 3 Units: 3
Prerequisite(s): Junior or Senior standing with priority given to IBL Seniors.
An overview of the history of innovation in the maritime industry and an introduction to recent breakthroughs. Topics include problem identification, innovation management, design thinking, building, hypothesis testing and taking a new product or process to market (both internal and external). Types of innovation, innovation in groups, teams and organizations will also be covered.

MGT 450 - International Human Resource Management

Class Hours: 3 Units: 3
IBL

MGT 455 - Cross-Cultural Negotiation

Class Hours: 3 Units: 3
IBL

Maritime Policy & Management

MPM 190 - TSGB/International Experience Preparation

Class Hours: 1, Units: 1
Prerequisite(s): None
A one-unit course offered in the spring term to Business students prior to participation in their Training Ship *Golden Bear* (TSGB) cruise or an international experience. As part of the course, students will complete all necessary pre-trip plans, including document collection, medical information training, language primers, and associated tasks. Students plan and arrange for site visits, factory or transport enterprise visits, seminars, and other activities to be conducted while in port, and/or during voyages.
IBL

MPM 195 - TSGB/International Experience Special Topics

Class Hours: 3, Units: 3
Prerequisite(s): MPM 190
This course is a special topics course to be taught to Business students participating in their Training Ship *Golden Bear* (TSGB) cruise or their international experience. Topics will be related to the specific destinations, and reflect the expertise and interest of the instructor as well as the nature of the itinerary.
IBL

MPM 395 - Special Topics

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IBL

Mathematics

MTH 001 - Intermediate Algebra

Class Hours: 4, Units: 4
Prerequisite(s): Beginning Algebra
A thorough review of algebra at an intermediate level. The topics covered are sets and operations, equations and inequalities, polynomials, rational expressions, rational exponents, roots, radicals, quadratic equations, graphing equations, and functions.
XL | Graded: A, B, C, NC

MTH 99L - College Algebra and Trigonometry Support Lab

Units: 1
This is a co-requisite course for students needing support in MTH 100. Content will include just-in-time skill development needed for topics in MTH 100, as well as focused support for the learning of topics in MTH 100.
SM Graded: A, B, C, NC

MTH 100 - College Algebra and Trigonometry

Class Hours: 4, Units: 4
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): Two years of high school algebra or MTH 001, or passing score on ELM, or otherwise exempt from remediation.

Combines the necessary elements of college algebra and trigonometry to prepare students for subsequent study of calculus, computer programming, navigation and the physical sciences. Topic coverage includes linear, quadratic and higher polynomial equations, rational logarithmic and exponential functions and equations, trigonometric functions and their inverses and equations, with graphical representation of all of the above. Other topics are generalized and periodic functional relationships, multivariable systems with matrix algebra including inversion and determinants, complex numbers, vectors and appropriate computational methods, the rapid computation of values in plane triangles and various functions using the pocket calculator.
SM

MTH 101 - College Algebra

Class Hours: 3 Units: 3
Exponents, factoring, linear and quadratic equations, absolute value, inequalities, functions, graphing, polynomial and rational functions, exponential and logarithmic functions, systems of equations, with graphical representations of all the above.

MTH 105 - Finite Math

Class Hours: 3, Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 100 or MTH 101; Grade of C- or better
An introduction to mathematical concepts in business and finance, including linear systems of equations and inequalities, linear programming, sets, counting and probability.
SM

MTH 107 - Elementary Statistics

Class Hours: 3, Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 100 or MTH 101; Grade of C- or better
This course is a study of general concepts of statistics, including sampling, probability distributions, statistical inferences, confidence intervals, hypothesis tests, and correlations. Use of technology, including graphing calculators or computers will be used extensively to describe and analyze data.
SM

MTH 195 - Special Topics

SM

MTH 200L - Algebra for Calculus

Units: 1
Covers the basic algebra needed for Calculus. Topics include equations and inequalities, polynomials, rational expressions, ration exponents, roots, radicals, quadratic equations, graphing equations, and functions.
SM Graded: Credit/No Credit

MTH 205 - Calculus for Business

Class Hours: 3, Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 100 with a C- or higher
Focuses on basics of calculus and the application of this topic to business decision-making and problem solving. Students will concentrate on formulae that will be performed on Excel later in the curriculum. The course will present math theory and math models. Exercises in critical thinking and model building will be introduced, along with the application of these two tools to the quantitative analysis of business problems.
SM

MTH 210 - Calculus I

Class Hours: 4, Units: 4
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 100 or equivalent with a C- or higher
Introduction of functions and limits, differentiation, applications of differentiation, integration, and applications of the definite integral.
SM

MTH 211 - Calculus II

Class Hours: 4, Units: 4
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 210 with a C- or higher
An introduction to additional methods of integration and improper integrals. Presented are trigonometric and hyperbolic functions and their inverses; infinite sequences and series; and a brief introduction to linear, ordinary first, and second-order differential equations.
SM

MTH 212 - Calculus III

Class Hours: 4, Units: 4
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 211 with a C- or higher
An introduction to the algebra and calculus of vectors. Presented are functions of several variables and partial differentiation, as well as multiple integration and vector analysis.
SM

MTH 215 - Differential Equations

Class Hours: 3 Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 211 with a C- or higher
First and second-order differential equations with constant coefficients. Higher order linear differential equations. Linear systems and eigenvector methods. Emphasis on engineering applications.
SM

MTH 250 - Introduction to Linear Algebra

Class Hours: 4, Units: 3
General Education: Area B4 Mathematics/Quantitative Reasoning - must meet minimum grade of C- or better in order to earn General Education credit.
Prerequisite(s): MTH 211 with a C- or higher
Theory and applications of linearity, including vectors, matrices, systems of linear equations, dot and cross products, determinants, linear transformations in Euclidean space, linear independence, bases, eigenvalues, eigenvectors, and diagonalization.
Formerly MTH 310. SM

MTH 320 - Probability and Statistics

Class Hours: 3 Units: 3
Prerequisite(s): MTH 212 or MTH 215; MTH 250
An introduction to probability and its application in statistics. Topics include the foundations of probability, discrete and continuous random variables, conditional probability, special distributions such as the uniform, exponential and normal distributions, joint distributions, limit theorems, statistical inference both frequentist and Bayesian, and random processes.
SM

MTH 380 - Introduction to Mathematical Modeling

Class Hours: 3 Units: 3
Prerequisite(s): MTH 212 or MATH 215; MTH 215
An introduction to the formulation and analysis of mathematical models. Topics will include discrete, continuous, and stochastic modeling frameworks. Emphasis will be problem-driven (as opposed to method-driven) applications of mathematics with a focus on the design and analysis of models using both analytical and computational simulation approaches.
SM

MTH 390 - Independent Study

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SM

MTH 395 - Special Topics

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SM

Mechanical Engineering

ME 205 - Engineering Career Preparation

Class Hours: 1 Units: 1
Prerequisite(s): EGL 100
Preparation and development of skills for establishing an engineering career. Topics include: resume and cover letter development, job search tools and utilization, developing networking skills and establishing interview skills.
ME

ME 220 - Computer Aided Engineering

Class Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): None
Familiarizes students with virtual product development and fundamentals of parametric design and solid modeling using advanced engineering software tools. Complex component design, assembly design and the development of working drawings are also covered. Students participate in Team Design/Reverse Engineering Projects.
ME

ME 230 - Engineering Materials

Class Hours: 3, Units: 3
Prerequisite(s): CHE 110
Examination of the properties of materials from the atomic level through the molecular levels, looking at crystal structure. Emphasis is on metals, but nonmetals are discussed. Mechanical properties, creep, fatigue, corrosion, and failure characteristics are discussed. Phase Diagrams and thermal processing are also studied. Applying material properties in design is also discussed.
ME

ME 232 - Engineering Statics

Class Hours: 3, Units: 3
Prerequisite(s): PHY 200
Analysis of particles and rigid bodies at rest, using vector methods. Topics include the concepts of forces, moments, and equivalent force systems, calculation and use of centroids, equilibrium of rigid bodies, force analysis of trusses, frames, and machines, internal forces in structural members, and friction.
ME

ME 240 - Engineering Thermodynamics

Class Hours: 3, Units: 3
Prerequisite(s): PHY 200
Study of the basic principles of thermodynamics and their applications to engineering processes and cycles. Topics include study of the first and second laws and the application of these laws to thermodynamic systems, with emphasis on power and refrigeration cycles.
ME

ME 330 - Engineering Dynamics

Class Hours: 3, Units: 3
Prerequisite(s): ME 232, MTH 212
Analysis of particles and rigid bodies in motion using vector methods, calculus, and analytical geometry. Topics include kinematic analysis of motion and relative motion, kinetic analysis of forces and motion, rotation and translation

of rigid bodies, work-energy methods, and impulse-momentum methods.
ME

ME 332 - Mechanics of Materials

Class Hours: 3, Units: 3
Prerequisite(s): ME 230, ME 232, MTH 211
Application of stress and strain in design and analysis of simple structural members under load. Stresses and deformations in members with a single load in tension, torsion, shear or bending moment are analyzed, followed by the transformation of stresses and effects of combined loads. The analysis of statically indeterminate structures is also included.
ME

ME 339 - Material/Mechanical Lab

Class Hours: 1, Units: 2
Prerequisite(s): ME 332, ME 360
Co-requisite(s): ME 339L
Principles of material science, mechanics of materials, and dynamics - applied, reinforced, and assessed through a series of experiments. The experiments involve calibration of instruments, measurement of mechanical quantities using data acquisition systems, analysis of data in order to obtain desired results, estimates of uncertainties in the results, and comparison of results with predicted outcomes based on theory. Experimental theory, procedures, and results are presented in formal written reports as well as oral presentations.
ME

ME 339L - Material/Mechanical Lab Lab

Lab Hours: 2
Co-requisite(s): ME 339
ME

ME 340 - Engineering Fluid Mechanics

Class Hours: 3, Units: 3
Prerequisite(s): MTH 212, ME 232
Theory and fundamental principles of incompressible fluid flows. Topics include hydrostatic fluids, continuity, linear momentum, Bernoulli equations for control volumes, dimensional analysis, viscous duct flows, boundary layer flows, centrifugal and axial flow pumps, and pump performance curves and similarity rules.
ME

ME 342 - Refrigeration and Air Conditioning

Class Hours: 3, Units: 3
Prerequisite(s): ME 240
Application of principles of thermodynamics and fluid mechanics to selection and performance evaluation of air conditioning and refrigeration systems. Topics include vapor-compression cycle performance, load calculations, refrigeration system component characteristics, refrigerant characteristics, environmental responsibilities, psychometrics and basic conditioning processes, and system balancing of refrigeration systems. Absorption refrigeration systems and cooling tower performance are also studied.
ME

ME 344 - Heat Transfer

Class Hours: 3, Units: 3
Prerequisite(s): ME 240 or ET 344 ME 340
Study of the fundamental mechanisms of the transfer of energy in the form of heat, including conduction, convection, and radiation. Topics include steady and transient conduction, free and forced convection, radiation, and heat exchanger analysis and design.
ME

ME 349 - Fluid/Thermal Lab

Class Hours: 1, Units: 2
Prerequisite(s): ME 344, ME 360
Co-requisite(s): ME 349L
Principles and applications of fluid mechanics, thermodynamics and heat transfer through a series of laboratory experiments. Experiments to demonstrate fluid flow measurements, the first and second laws of thermodynamics, conduction and convection heat transfer, heat exchanger analyses and performance, and gas turbine and gasoline engine cycles. Acquisition and statistical analyses of experimental data, and professional laboratory reports are also included.
ME

ME 349L - Fluid/Thermal Lab Lab

Lab Hours: 2
Co-requisite(s): ME 349
ME

ME 350 - Electromechanical Machinery

Class Hours: 3, Units: 3
Prerequisite(s): ENG 250, ENG 250L
Co-requisite(s): ME 350L
This course covers the fundamentals of magnetism, magnetic circuits, and transformers. Included are principles and operation of series, shunt, compound DC generators and motors; single-phase and three-phase AC generators, synchronous and induction AC motors, DC and AC motor controllers, and stepper motors; and system protective devices and safety.
ME

ME 350L - Electromechanical Machinery Lab

Lab Hours: 2, Units: 1
Prerequisite(s): ENG 250, ENG 250L
Co-requisite(s): ME 350
Supports instruction and theory of ME 350 using handson motor operation and analysis.
ME

ME 360 - Instrumentation and Measurement Systems

Class Hours: 2, Units: 2
Prerequisite(s): ENG 210, ENG 250, ENG 250L
Co-requisite(s): ME 360L
Measurement techniques for mechanical testing: types of signals, dynamic response of measurement systems,

frequency response, uncertainty analysis, types of instruments, basic input circuits, signal conditioning, computer based data acquisition, sampling, A/D conversion, time and frequency analysis, statistical analysis of data.
ME

ME 360L - Instrumentation and Measurement Systems Lab

Lab Hours: 2, Units: 1
Prerequisite(s): ENG 210, ENG 250, ENG 250L
Co-requisite(s): ME 360
Data acquisition using a PC and LabView. Construction and use of basic input circuits. Use of signal conditioning to improve the quality of measurements. Calibration and use of common instruments, including strain gages, thermocouples, photovoltaic cells, RTDs, and accelerometers. Examination of the dynamic response of instruments. Time domain and frequency domain analysis of data. Presentation of data. Uncertainty estimates of measured data. Output of control signals. A final project is required.
ME

ME 390 - Independent Study

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ME

ME 392 - Mechanical Design

Class Hours: 3, Units: 3
Prerequisite(s): ME 332
Two parts are covered in this course. Part one represents the general overview of fundamentals on applied loads, material properties, stress and stains, stress concentrations, static as well as dynamic failure theories, and some tribiological considerations. Part two will relate these fundamentals to various machine elements, such as columns, thin and thick-walled cylinders, shafting and associated parts, bearings, gears fasteners and power screws, springs, brakes and clutches, and flexible machine elements. A design project from the text will be assigned to each group.
ME

ME 394 - Fluid/Thermal Design

Class Hours: 3, Units: 3
Prerequisite(s): ME 344
This course covers analysis and design aspects of fluid and thermal systems. Included are instruction in piping systems, with the economics of pipe size selection and the sizing of pumps for systems, as well as double pipe, shell and tube, and cross flow heat exchangers: configuration, selection, analysis, and design.
ME

ME 395 - Special Topics

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ME

ME 405 - Fundamentals of Engineering Exam Seminar

Class Hours: 1 Units: 1
Prerequisite(s): ME 330 ME 332 ME 340 ME 360
Preparation for the Fundamentals of Engineering Exam (Mechanical) through the coverage of the topic areas covered by the exam.
ME

ME 429 - Manufacturing Processes Lab

Class Hours: 1, Lab Hours: 1 Units: 1
Prerequisite(s): EPO 215, ME 220
Co-requisite(s): ME 494
Principles of manufacturing processes in the areas of metal removal, forming, joining, casting, and fundamentals of numerical control. Study of manufacturing includes design aspects, material considerations, review of latest methods, and numerical controlled machining utilizing computer graphics and solid modeling.
ME

ME 430 - Mechanical Vibrations

Class Hours: 3, Units: 3
Prerequisite(s): MTH 215, ME 330
Analysis of mechanical systems undergoing vibration. Topics include free response of vibrating systems, response to harmonic excitation, response to general excitation, analysis of multi-degree of freedom systems using matrix methods, and techniques to suppress vibration. In addition, a series of laboratory experiments are done to demonstrate the theory learned in class.
ME

ME 432 - Machinery Design

Class Hours: 3, Units: 3
Prerequisite(s): ME 330, ME 332
This course will cover kinematics and dynamics of machinery and the synthesis of mechanisms to perform desired motions and tasks of mechanisms using linkages, gears, cams, and actuators. Analysis of mechanisms will be studied to determine their rigid-body dynamic behavior. Position, velocity, and acceleration of mechanisms and force analysis of mechanisms will be covered. ProE Mechanism, which is a virtual prototyping tool for mechanism analysis and design, will be demonstrated. Students will use ProE/Creo to design, animate, analyze, and optimize complex mechanisms.
ME

ME 436 - Mechatronic System Design

Class Hours: 2 Units: 2
Prerequisite(s): ENG 250, ME 330
Introduction to a multidisciplinary field that combines electronics, control systems, mechanical design and simulation. Simulation and design of mechatronic systems with sensors, electronic controllers and mechanical actuators. Selection and mathematical modeling of system elements including common sensors, actuators and various electronic controllers.
ME

ME 436L - Mechatronic System Design Lab

Lab Hours: 2 Units: 2
STCW Requirement: YES
Prerequisite(s): ENG 250 ME 330
Co-requisite(s): ME 436
Laboratory supporting ME 436 Mechatronics System Design

ME 440 - Advanced Fluid Mechanics and Thermodynamics

Class Hours: 3, Units: 3
Prerequisite(s): ME 240, ME 340
Advanced topics in gas dynamics, including compressible flow analysis of converging-diverging nozzles, normal and oblique shock waves, compressible duct flow with friction; and advanced topics in thermodynamics, including irreversibility, availability, and second-law analysis of thermodynamic systems, gas and vapor mixtures, chemical reactions, and thermodynamics of propulsion systems with applications.
ME

ME 442 - Heating, Ventilation, and Air Conditioning Design

Class Hours: 3, Units: 3
Prerequisite(s): ME 240 or ET 344 ME 340
Analysis and design of air conditioning systems for industrial and commercial applications. Topics include psychometrics, heating and cooling loads, HVAC systems and controls, infiltration, ventilation, fan performance, and duct design.
ME

ME 444 - Energy Systems Design

Class Hours: 3, Units: 3
Prerequisite(s): ME 344
Applications of fundamentals of thermodynamics, fluid mechanics, heat transfer in design, analysis, and selection of power production systems including steam power plants, gas turbines, and auxiliary power units; and heat exchange systems. Topics also include economic evaluation and preliminary cost of estimation of energy systems. A term paper that requires oral presentation and written report on a topic related to energy is also required.
ME

ME 460 - Automatic Feedback Control

Class Hours: 3 Units: 3
STCW Requirement: YES
Prerequisite(s): MTH 215, ME 360, ME 360L
Co-requisite(s): ME 460L
Study of dynamic system modeling for various types of engineering systems. Analysis of dynamic systems using Laplace transform and state space methods. Open and closed loop stability. Design of feedback controllers using root-locus and frequency response techniques. Extensive use of MATLAB for analysis and simulation.

ME

ME 460L - Automatic Feedback Control Lab

Lab Hours: 2, Units: 1
Prerequisite(s): MTH 215, ME 360, ME 360L
Co-requisite(s): ME 460
Supports instruction and theory of ME 460 using MATLAB modeling and simulation. Hands-on lab and case studies are performed.
ME

ME 462 - Experimental Methods in Mechanical Engineering

Class Hours: 2 Units: 2
General Education: Area A1 Oral Communication
Prerequisite(s): ENG 112, ME 332, ME 340, ME 360, ME 360L
Co-requisite(s): ME 462L
Principles and applications of experiments in fluid mechanics, material science, mechanics, and thermodynamics. Technical communication, both oral and written, of the entire experimental process.

ME 462L - Experimental Methods in Mechanical Engineering Laboratory

Lab Hours: 1 Units: 2
Prerequisite(s): ENG 112, ME 332, ME 340, ME 360, ME 360L
Co-requisite(s): ME 462
Laboratory supporting ME 462 Experimental Methods in Mechanical Engineering.

ME 490 - Engineering Design Process

Class Hours: 3, Units: 3
General Education: Area 1C Oral Communication (formerly Area A1)
Prerequisite(s): ENG 112, ME 332, ME 340, ME 360
Introduction to the engineering design processes. Topics include identifying objectives and constraints, generating concepts, background research including finding appropriate engineering standards, application of analytical and numerical models for design, evaluating design alternatives, and communication of work to a wide range of audiences.
ME

ME 492 - Project Design I

Class Hours: 2 Units: 2
Prerequisite(s): ME 490
Co-requisite(s): ME 492L
First of two courses taken sequentially in the application of enginerring design principles. Study and application of techniques including problem definition, concept generation, and decision making. Practice of skills including written and oral communication, teamwork, ethics and demonstrating societal and/or environmental.
ME

ME 492L - Project Design I Lab

Lab Hours: 3 Units: 1
Prerequisite(s): ME 490
Co-requisite(s): ME 492
Directed group laboratory with technical advisors for projects in ME 492 Project Design I.

ME 494 - Project Design II

Class Hours: 2 Units: 2
Prerequisite(s): ME 492
Co-requisite(s): ME 494L
Second of two courses taken sequentially in the application of enginerring design principles. Study and application of techniques including prototyping and testing. Practive of skills including written and oral communication, teamwork, ethics and demonstrating societal and/or environmental responsibility.
ME

ME 494L - Project Design II Lab

Class Hours: 3 Units: 1
Prerequisite(s): ME 492
Co-requisite(s): ME 494
Directed group laboratory with technical advisors for projects in the ME 494 Project Design II.

Nautical Science

NAU 102 - Navigation I

Class Hours: 3, Units: 3
STCW Requirement: YES
Prerequisite(s): MTH 100
Co-requisite(s): NAU 102L
Introduces the basic tools and theory of piloting. Elements include basic coastal piloting, using terrestrial features and various plotting systems and techniques. Chart interpretation, plotting, and correction are emphasized, as are passage planning and navigation cross-checking. Emphasis is placed on neatness and precision and, toward the end of the course, speed in arriving at basic piloting solutions. Provides the foundation upon which all subsequent navigation courses will build.
MT

NAU 102L - Navigation I Lab

Lab Hours: 2, Units: 1
Prerequisite(s): MTH 100
Co-requisite(s): NAU 102
Introduces the basic tools and theory of piloting. Elements include basic coastal piloting, using terrestrial features and various plotting systems and techniques. Chart interpretation, plotting, and correction are emphasized, as are passage planning and navigation cross-checking. Emphasis is placed on neatness and precision and, toward the end of the course, speed in arriving at basic piloting solutions. Provides the foundation upon which all subsequent navigation courses will build.
MT

NAU 103 - Introduction to Marine Transportation

Class Hours: 3, Units: 3
General Education: Area E Lifelong Learning
Introduction to the field of commercial marine transportation. This course provides a broad understanding of the maritime industry and relates the students' work and studies at Cal Maritime to the maritime world. It includes American maritime history, governmental policies and regulations, vessel and stevedore company organization, principles of foreign trade, documentation, and the various related organizations, both public and private.
MT

NAU 104 - Shipboard Security and Responsibility

Class Hours: 1, Units: 1
STCW Requirement: ♦
Prerequisite(s): None
Required for seafarers, VPDSD (Vessel Personnel Designated with Security Duties), a mid-level security course, addresses knowledge needed for mariners with designated security duties in connection with a Ship Security Plan (SSP) to perform their duties in accordance with the requirements of Chapter XI-2 of SOLAS 74 as amended, the ISPS Code, and Section A-VI/6 and Table -VI/6-2 of the STCW Code, as amended.
MT

NAU 105 - Ship Structure

Class Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): None
A survey course of ship design and construction, emphasizing nomenclature and structural components, hull strength and vessel performance characteristics.
MT

NAU 108 - Operational Command at Sea

Class Hours: 2, Units: 2
Prerequisite(s): None
Introduction to controlling the operation of the ship and care for persons on board at the operational level. Working knowledge of shipboard personnel management and training. A knowledge of related international maritime conventions and recommendations, and national legislation. Applying task and workload management. Effective knowledge of resource management and decisionmaking techniques.
MT

NAU 110 - Seamanship

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): NAU 105
The study of basic seamanship, including sea terms and nomenclature, small boats, merchant ship characteristics, deck fittings, rigging, equipment, appliances, life-saving devices, and emergency procedures. Attention to the duties of a lookout/helmsman prepares students for duties on CRU 100.
MT ZCCM - Zero Cost Course Materials

NAU 120 - Marine Engineering

Class Hours: 3, Units: 3
Prerequisite(s): None
The study of shipboard engineering equipment, systems, and procedures associated with the propulsion and control of steam, diesel, and gas- turbine-powered merchant ships. Several auxiliary systems such as electrical distribution, deck machinery, cargo pumps/ valves, and steering gears are also covered.
MT

NAU 195 - Special Topics

MT

NAU 205 - Ship Stability

Class Hours: 3, Units: 3
General Education: Area 2 Mathematical Concepts & Quantitative Reasoning (formerly Area B4) - must meet minimum grade of C- or better in order to earn General Education credit.
STCW Requirement: ♦
Prerequisite(s): MTH 100, NAU 105, PHY 100 with C- or better, PHY 100L with C- or better.
Statics of naval architecture for ship hulls. Stability, trim, volume, and moment calculations by the ship's officer. Methods of calculation of intact, upright stability and trim, including free surface corrections. Stress calculations and damage stability. Use of software for vessel stability calculations. Area B4
MT

NAU 230 - Rules of the Road

Class Hours: 2 Units: 2
STCW Requirement: ♦
Prerequisite(s): CRU 100
Comprehensive study of the international rules of the road (COLREGS), including their origin, purpose, history, technical provisions, and application. Included is a comparative study of both international and inland rules, along with their interpretation and practical application, as well as a study of case histories and legal interpretations resulting from collisions at sea.
NAU 305

NAU 300 - Celestial Navigation

Class Hours: 3 Units: 3
STCW Requirement: YES
Prerequisite(s): NAU 102 NAU102L
Co-requisite(s): NAU 300L
A study of celestial navigation, including sun, moon, stars, and planets. Students are instructed in the use of modern sight reduction methods by table and calculator. Emphasis is placed on USCG/STCW requirements.
NAU-102

NAU 300L - Celestial Navigation Lab

Class Hours: 2 Units: 1
STCW Requirement: YES
Co-requisite(s): NAU 300
A study of celestial navigation, including sun, moon, stars, and planets. Students are instructed in the use of modern sight reduction methods by table and calculator. Emphasis is placed on USCG/STCW requirements.
NAU 202L

NAU 302 - Advanced Navigation

Class Hours: 2, Lab Hours: 2 Units: 2
STCW Requirement: YES
Prerequisite(s): NAU 102, NAU 102L
Co-requisite(s): NAU 302L
Fundamental principles of electronic navigation systems and basic computational forms of the sailings will be covered.

The course consists of both classroom lecture and practical lab applications. Upon completing the course, students should be able to demonstrate an understanding of the sailings, hyperbolic and radio navigation systems, and Global Positioning System. Integrated Bridge Systems will also be discussed. Miscellaneous navigation topics will be covered. The concept of navigational crosschecking will permeate all subjects. Emphasis is placed on accuracy, neatness, precision and the good judgment required of a modern merchant mariner.
MT

NAU 302L - Advanced Navigation Lab

Lab Hours: 2 Units: 1
STCW Requirement: YES
Prerequisite(s): Same as NAU 302
Co-requisite(s): NAU 302
Fundamental principles of electronic navigation systems and basic computational forms of the sailings will be covered. The course consists of both classroom lecture and practical lab applications. Upon completing the course, students should be able to demonstrate an understanding of the sailings, hyperbolic and radio navigation systems, and Global Positioning System. Integrated Bridge Systems will also be discussed. Miscellaneous navigation topics will be covered. The concept of navigational crosschecking will permeate all subjects. Emphasis is placed on accuracy, neatness, precision and the good judgment required of a modern merchant mariner.
MT

NAU 320 - Tank Vessel Operations

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): NAU 105
A study of ocean transportation of bulk liquid cargo. Areas covered include tanker construction and design, petroleum cargo characteristics, oil cargo planning and operations, ballasting, pollution control, safety, and U.S. Coast Guard regulations.
MT

NAU 325 - Cargo Vessel Operations

Class Hours: 3, Units: 3
STCW Requirement: YES
Prerequisite(s): NAU 108 , DL 120 , NAU 205
Overview of port operations, including containers/cargo, policies, management, competition, tariffs and regulatory affairs. Introduction to marine terminals, including characteristics/types, capacity, handling equipment/technology, labor/management, safety/security, operations and harbor drayage. Shipping topics include the role of the ship's officer in relation to cargo handling, stowage of various commodities, cargo plans and planning of stowage, inspections and trim and stability considerations.
MT

NAU 330 - Meteorology

Class Hours: 3, Units: 3
General Education: Area 5 Physical and Biological Sciences - upper division (formerly Area B upper division)
STCW Requirement: ♦
Prerequisite(s): MTH 100, PHY 100, PHY 100L
The science of meteorology covers principles of weather observations and reports; weather forecasting and the development of weather maps; and the study of air masses, fronts, winds and currents. Area B4
MT

NAU 335 - Electronic Chart Display and Information Systems (ECDIS)

Class Hours: 2, Units: 2
STCW Requirement: ♦
Prerequisite(s): DL 325, DL 325L, MTH 100, NAU 102, NAU 102L, NAU 302 (may be taken concurrently), NAU 302L (may be taken concurrently)
Co-requisite(s): NAU 335L
This course is specifically designed to instruct students in the theory and practical use of Electronic Chart Display and Information Systems (ECDIS). Also presented will be: raster and vector charts, use of ECDIS in voyage planning and recording, integration with other bridge systems like RADAR, ARPA, and AIS, latest developments in ECDIS design and implementation, and current IMO regulations governing use of ECDIS. Students must be concurrently enrolled in NAU 335L.
MT

NAU 335L - Electronic Chart Display and Information Systems (ECDIS) Lab

Lab Hours: 2, Units: 1
STCW Requirement: ♦
Prerequisite(s): Same as for NAU 335
Co-requisite(s): NAU 335
This lab provides the practical application of skills learned in NAU 335 using electronic charting display and navigational equipment. Students must be concurrently enrolled in NAU 335.
MT | Graded: Credit/No Credit

NAU 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
MT

NAU 395 - Special Topics

Co-requisite(s): NAU 395L
Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
MT

NAU 400 - Advanced Maritime Topics

Class Hours: 3, Units: 3
Prerequisite(s): CRU 200, CRU 200L, DL 410 (may be taken concurrently), EGL 300
This course is designed to consolidate and advance the knowledge of seamanship gained by students in their earlier years at Cal Maritime, both on cruise and in the classroom. A study of the many aspects of seamanship is conducted, along with theoretical aspects of shiphandling. The steering gear, navigation safety regulations, and responsibility of the pilots are considered. Heavy weather, ice seamanship, and ground tackle are included. The ship's log and its legal standing are discussed, along with record keeping and the ship's officers' responsibility under the federal code, including ethics, alcohol and substance abuse issues, and crimes at sea. Students will be required to write a term paper

and make an oral presentation to the class.
MT

NAU 410 - License Seminar

Class Hours: 1, Units: 1
Prerequisite(s): Senior class standing, NAU 205, NAU 300, NAU 300L, NAU 302 (may be taken concurrently), NAU 302L (may be taken concurrently), NAU 320, NAU 326
Co-requisite(s): NAU 410L
This comprehensive course is designed to prepare candidates for the USCG OICNW exams. Unlike any other course, it requires the candidate to synthesize and apply myriad professional subjects learned in previous subject-specific courses, and perform with both precision and accuracy under time pressure. New topics and material pertinent only to USCG testing will be covered, advanced material will be reviewed in the context of USCG requirements (which differ from practical requirements), and theories and methods of knowledge retention and test-taking strategies will be explored. Rules of the Road, navigation, seamanship, deck safety, environmental protection, cargo, watchstanding and other professional subjects are covered as they pertain specifically to USCG licensing. Course subject matter and strategy necessarily change as the USCG exams continually evolve.
MT

NAU 410L - License Seminar Lab

Lab Hours: 1 Units: 2
Prerequisite(s): Senior class standing, NAU 205, NAU 300, NAU 300L, NAU 302 (may be taken concurrently), NAU 302L (may be taken concurrently), NAU 320, NAU 326
Co-requisite(s): NAU 410
This comprehensive course is designed to prepare candidates for the USCG OICNW exams. Unlike any other course, it requires candidates to synthesize and apply myriad professional subjects learned in previous subject-specific courses, and perform both with precision and accuracy under time pressure. New topics and material pertinent only to USCG testing will be covered, advanced material will be reviewed in the context of USCG requirements (which differ from practical requirements), and theories and methods of knowledge retention and test-taking strategies will be explored. Rules of the Road, navigation, seamanship, deck safety, environmental protections, cargo, watchstanding and other professional subjects are covered as they pertain specifically to USCG licensing. Course subject matter and strategy necessarily change as the USCG exams continually evolve.
MT

NAU 415 - Transportation Security

Class Hours: 3, Units: 3
STCW Requirement: ♦
Prerequisite(s): CRU 200, NAU 325
This course emphasizes maritime security on an **operational** level versus from a public policy perspective. It is modular in format and focuses on the International Ship and Port Security Code (ISPS), the Maritime Transportation Security Act of 2002 (MTSA) and domestic maritime security policies and requirements as outlined in the Code of Federal Regulations and USCG NVICs. Students will learn to understand port and ship vulnerability assessments, implement security plans, understand various levels of shipboard and terminal security responsibilities and administration. The course will also explore elements of chemical, biological and radiological defense (CBRD), crisis management, and equipment security technologies. Ship and terminal operations will be explored with respect to cargo and vessel screening programs and methods. Students successfully completing this course may earn industryrecognized security certificates.
MT ZCCM - Zero Cost Course Materials

NAU 420 - Maritime Casualty Seminar

Class Hours: 3, Units: 3
General Education: Area E Lifelong Learning and Self Development
Prerequisite(s): CRU 200 or CRU 250 or CEP 250 or CEP 270 or CEP 300
Comprehensive study of commercial maritime casualties that impacted domestic regulatory schemes and international conventions. Focus will be on the human element, and how diverse cultures, languages, and management styles aboard international commercial vessels impact human interactions with each other, with equipment, within watch teams, and with the vessels and agencies of other nations.
MT

NAU 430 - Liquefied Gas Cargos

Class Hours: 2, Units: 2
Prerequisite(s): Prerequisite for MT Students: NAU 320 Prerequisite for MET & ME Students: CEP 350, ENG 430
Co-requisite(s): NAU 430L
A study of the ocean transportation of liquefied gas cargos, which includes liquefied natural gas (LNG) and liquefied petroleum gas (LPG). Areas covered include chemistry and physics, hazards, rules and regulations, ship design and cargo containment, cargo handling systems, safety, cargo handling operations, ship/shore interface, and emergency operations. The class, in conjunction with the Liquid Gas Cargo Simulator, will prepare the student to be a junior officer onboard liquid gas carriers.
MT

NAU 430L - Liquefied Gas Cargos Lab

Lab Hours: 2, Units: 1
Prerequisite(s): Prerequisite for MT Students: NAU 320 Prerequisite for MET & ME Students: CRU 350, ENG 430
Co-requisite(s): NAU 430
This class will be conducted concurrently with NAU 430. By use of simulation, students will conduct cargo operations and gain system understanding of liquefied gas carriers.
MT | Graded: Credit/No Credit

NAU 435 - Marine Transportation: People, Planet and the Profession

Class Hours: 3 Units: 3
Prerequisite(s): DL 300 or senior standing
Marine transportation effects the environment and society, not to mention the people who work in the industry. To try to minimize such effects, international governmental, non-governmental, and trade organizations have worked together to address a wide array of environmental and social issues. This course will examine these issues in depth, and will apply ethical standards to real-world problems. The course concludes with a personal examination by each student to understand their values, goals, and role in the marine transportation industry.

NAU 440 - Dynamic Positioning Induction

Class Hours: 3 Units: 3
Prerequisite(s): NAU 230 NAU 102
DL 240 and DL 225 may be taken concurrently. Waiver of Requisite must be filed with the Office of the Registrar. Provides basic knowledge about Dynamic Positioning Systems, function and operation, practical use, and limitations. Outlines basic knowledge about sensors and Position Reference Systems, alarm and messages, consequence analysis and rules and regulations. Meets the Nautical Institute DP Operator training scheme requirements to obtain the official DP Operator Certificate/Logbook.
MT

Naval Science

NSC 100 - Naval Science for the Merchant Marine Officer/Strategic Sealift Officer

Class Hours: 3, Units: 3
An introduction to the organization of the U.S. Navy, with a discussion of the Strategic Sealift Officer Program and Naval Reserve commissioning options, which provide a sound basis for liaisons between the U.S. Navy and the merchant marines. The concept of seapower is analyzed, with emphasis on the historical merchant marine- Navy interface in common seapower objectives. 70% of available lecture time is spent covering the history of seapower. The remaining 30% is spent covering miscellaneous organizations/government agencies which support defense objectives and have ties to the merchant marine.
NS

NSC 195 - Special Topics

NS

NSC 200 - Naval Science II for the Strategic Sealift Officer

Class Hours: 3, Units: 3
Prerequisite(s): NSC 100
Building on NSC 100, this course presents the nature of a hostile naval threat and types of surface, subsurface, and air attacks to which both U.S. naval and merchant shipping can be subjected. Merchant ship self-defense maneuvers and naval escort defensive actions are analyzed. The student should become proficient in the merchant marine-Navy communication interface and in ship maneuvering when in convoy. Navy officer communities, administration, and organization are discussed. Warship design, propulsion, and damage control methods are also introduced.
NS

NSC 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
NS

NSC 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
NS

NSC 400 - Leadership, Ethics, and Naval Science for the Merchant Marine Reservist II

Class Hours: 4, Units: 4
Prerequisite(s): NSC 200 or approval of Chair
Designed to provide midshipmen with the practical knowledge, leadership, and managerial skills necessary to function

as a new naval reserve officer. Topics include merchant marine reserve, officer and enlisted rank structure, administrative duties of an officer, the naval justice system, management techniques, promotions, leadership, ethics, fitness reports and annual training (AT) requirement and procedures.
NS

NSC 450 - Advanced Midshipman Naval Training

Units: 1
Prerequisite(s): MMR Midshipman under Contract (Naval Science Department Chair approval required)
A very intensive training opportunity for midshipmen desiring to increase their practical knowledge of the U.S. Navy's mission. Provides fundamental, intermediate, and upper level leadership experience through practical application of leadership management techniques. Students perform in a variety of billets. Eligible cadets are chosen to participate in NSC 250 according to their performance, aptitude, and warfare community interest. Training opportunities include, but are not limited to, field trips to surface, subsurface, aviation, and special operations units; close order drill; inspections; and naval officer career areas. Naval Science Department Chair approval required. May be used to satisfy open elective requirements.
NS | Graded: Credit/No Credit

Oceanography

OCN Elective - Oceanography Elective

Class Hours: 3 Units: 3

OCN 100 - Marine Biology

Class Hours: 3 Units: 3
General Education: Area 5B Biological Science (formerly Area B2)
Introduction to organismal biology using marine examples. Origin and diversity of marine life including prokaryotes, protists, marine invertebrates and vertebrates. Mendelian genetics, speciation, reproduction, basic cellular physiology.
MSC 205 SM

OCN 100L - Marine Biology Laboratory

Class Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): OCN 100
Introduction to stereo and compound microscopes, plankton collections and enumeration of phytoplankton and zooplankton, fouling invertebrates and marine invasive species, invertebrate and vertbrate dissections.
MSC 205L SM

OCN 105 - Introduction to Oceanography

Class Hours: 3 Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
An exploration of the chemical, geological, physical and biological processes occuring within Earth's oceans. Topics include: the formation of the universe, plate tectonics, atmospheric circulation, hurricanes, global climate change, ocean circulation, El Niño, waves, tsunamis, tides, origin of life on Earth, deep-sea environments, ocean resources, and marine pollution.

OCN 110 - Marine Ecology

Class Hours: 3 Units: 3
General Education: Area 5B Biological Science (formerly Area B2)
Introduction to marine ecology of diverse habitats including the estuarine, intertidal, epipelagic, and deep sea, coral reefs and polar ecosystems.
MSC 210 SM

OCN 110L - Marine Ecology Laboratory

Lab Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): OCN 110
Laboratory/field-based course working in local marine environments, including estuarine, wetland, rocky intertidal, and beach communities, to understand marine ecology. This service-learning course will patner with state, federal, or nogovernmental agencies to collect and interpret ecological data. Several field trips are planned during the semester.
MSC 210L SM

OCN 185 - Study Abroad Elective

Class Hours: 1-3 Units: 1-3
SM

OCN 195 - Special Topics

Class Hours: 1-3 Units: 1-3

OCN 200 - Oceanography I: Geology and Chemistry

Class Hours: 3 Units: 3
General Education: Area B1 Physical Science - lower division
Prerequisite(s): MTH 100
History of oceanography, seafloor features, plate tectonics, marine sediments, chemistry of seawater, dissolved gases, and ocean resources.
MSC 100 SM

OCN 200L - Introduction to Oceanography Laboratory

Lab Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Co-requisite(s): OCN 200 or OCN 210
Quantiative problem-solving in oceanography, application of open source oceanographic data. Sampling the San Francisco Estuary.
MSC 100L SM

OCN 210 - Oceanography II: Physics and Biology

Class Hours: 3 Units: 3
General Education: Area B1 Physical Science - lower division
Prerequisite(s): MTH 100

Introduction to atmosphre-earth-ocean interactions, global climate processes, ocean circulation, waves, tidal processes, plankton, nekton, and betnthic organisms.
MSC 105 SM

OCN 210L - Introduction to Oceanography Laboratory II

Class Hours: 3 Units: 1
Co-requisite(s): OCN 210
Quantitative problem-solving in physical and biological oceanography using a combination of simulation laboratory exercises, application of real, open source oceanographic data and field sampling in the San Francisco Estuary.
SM

OCN 225 - Environmental Sustainability

Class Hours: 3 Units: 3
General Education: Area E Lifelong Learning
Cycles and interconnectedness of the Earth system. The history of sustainability and its place within the political agenda. Large to small scale, including personal, transitions toward sustainable living, assessment and analysis of solutions. Emphasis on water resource sustainability.

OCN 300 - Global Education

Class Hours: 3 Units: 3

OCN 305 - Introduction to Ocean Science Research

Class Hours: 1 Units: 1
Prerequisite(s): OCN 200 OCN 210
Critical study, analysis and evaluation of primary scientific literature. Oral and written presentations of recent scientific papers. Semester projects include an annotated bibliography using an electronic reference management system and an oceanography research proposal.
SM

OCN 310 - Oceanographic Instruments and Analysis

Class Hours: 2 Units: 2
General Education: Area B1 Physical Science
Prerequisite(s): OCN 200 OCN 210
Co-requisite(s): OCN 310L
Classroom discussion of oceanographic sampling techniques, modern instrumentation and laboratory analyses. Techniques for measuring ocean temperature, salinity, dissolved oxygen, phosphate, chlorophyll-a, pH and carbon dioxide, and submarine light.
MSC 200 SM

OCN 310L - Oceanographic Instruments and Analysis Laboratory

Class Hours: 3 Units: 1
General Education: Area B3 Laboratory Activity
Prerequisite(s): OCN 200 OCN 210
Co-requisite(s): OCN 310
"Hands-on" laboratory. Ocean sampling techniques, practical training in modern instrumentation and laboratory

analyses. Techniques for measuring ocean temperature, salinity, dissolved oxygen, phosphate, chlorophyll-a, pH and carbon dioxide, and submarine light.
MSC 200L SM

OCN 320 - Oceans and Climate

Class Hours: 3 Units: 3
General Education: Area 5 Physical and Biological Sciences - upper division (formerly Area B upper division)
Prerequisite(s): MTH 210, PHY 100 or PHY 200
A physics-based description of the atmosphere-ocean global (large scale) circulation and its driving forces. Exploration of the earth-system's climate and the potential implications of climate change.
SM

OCN 330 - Marine Microbial Ecology

Class Hours: 3 Units: 3
Prerequisite(s): OCN 100 OCN 110 OCN 210
Ecology of microbes in the oceans including diversity, biomass and metabolic activity. Role in oceanographic processes and marine biogeochemical cycles. Prokaryotes (archaea and bacteria), autotrophic, heterotrophic and mixotrophisc protists described and interations with non-microbial organisms.
SM

OCN 340 - Chemical Oceanography

Class Hours: 3 Units: 3
Prerequisite(s): OCN 200 CHE 210
Chemical description of the ocean, past and present. Elemental cycling, the effects of biological, chemical, geological and physical processes on the chemistry of seawater, and the distribution of gases, ions, nutrients and trace metals.
SM

OCN 350 - Physical Oceanography

Class Hours: 3 Units: 3
Prerequisite(s): MTH 210 PHY 100 OCN 210
Conservation of momentum and vorticity with particular attention to the boundary layer dynamics of ocean circulation. Introduction to wave-driven boundary layer dynamics and its effects on mixing.
SM

OCN 380 - Directed Research / Co-Op Experience

Class Hours: 1 Units: 1
Prerequisite(s): OCN 305
Co-requisite(s): OCN 380L
Collaborative research/work experience in the field of marine science, oceanography, marine/estuarine natural resource management. Demonstrate competence in hypothesis testing, gathering and analyzing oceanographic data. Placement in Co-Op experiences must be approved by the major advisor.
MSC 380 SM

OCN 380L - Directed Research/Co-op Lab

Lab Hours: 2 Units: 2
Prerequisite(s): OCN 305
Co-requisite(s): OCN 380
Collaborative research/ work laboratory experience in the field of marine science, oceanography, marine / estuarine natural resource management. Demonstrate competence in hypothesis testing, gathering and analyzing oceanographic data. Placement in Co Op experiences much be approved by major advisor.

OCN 385 - Study Abroad Elective

Class Hours: 1-3 Units: 1-3

OCN 390 - Independent Study

Class Hours: 1 - 3 Units: 1 - 3
Substantial study above and beyond the regular offerings in the university catalog. One to three units of credit, determined prior to registration. An approved Application for Independent Study must be on file in the Regisrar's Office by the end of the regular add period.
MSC 390 SM

OCN 395 - Special Topics

Class Hours: 3 Units: 3
Intended to enable each department to offer an upper division elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the class schedule for current offerings.
MSC 395 SM

OCN 410 - Phycology

Class Hours: 3 Units: 3
Prerequisite(s): OCN 100 OCN 330
Taxonomy, phylogeny, morphology, physiology and ecology of marine and freshwater algae.
SM

OCN 420 - Marine Biological Invasions

Class Hours: 3 Units: 3
Prerequisite(s): OCN 100
The biology, evolution, and ecological impacts of aquatic introduced species on the marine environment. Emphasis on marine invertebrates. Discussion of strategies for prevention, detection, and management of impacts to human systems as well as the role of climate change on biotic homogenization of marine systems.

OCN 430 - Fisheries Oceanography

Class Hours: 3 Units: 3
General Education: Area B1 Physical Science
Prerequisite(s): OCN 100 and OCN 210
Introduction to fish biology, identification, systematics and classification, with an emphasis on commercially important species. basic physiology. Mechanisms of fish stock abundance and recruitment within an ecological context. Explore policy approaches and ecosystem-based resource management to sustainable fisheries practices.

OCN 440 - Introduction to Ocean Remote Sensing

Class Hours: 3 Units: 3
Prerequisite(s): OCN 200 OCN 210
General theory underlying ocean remote sensing. Application of techniques. Methods for accessing manipulating, combining and interpeting remotely sensed data.
SM

OCN 460 - Air-Sea Interaction

Class Hours: 3 Units: 3
General Education: Area B1 Physical Science
Prerequisite(s): MTH 210 PHY 105 OCN 210 OCN 320 ENG 210 COM 210L
Turbulent transfer of mass, momentum and energy near the air-sea interface. In-depth study of the strucutre of the air-sea interface and methods for meassuring fluxes of heat, momentum and energy. Introdcution to the role of surface gravity waves in the transfer dynamics.

Physical Education and Athletics

PE 101 - Swim Competency Exam

Units: 0
Swim assessments, completed during Orientation, indicate which of our new cadets may participate in Marine Safety and Survival Programs immediately, and let us know which members of the incoming class require PE 102 - Beginning/Intermediate Swimming before they can begin more intensive training. Swim assessments should be considered a "challenge exam" that if passed fulfills the prerequisite requirement for many of the classes offered at the Academy. Students who pass the assessment will receive a "CR" grade. Students who do not pass the exam or do not take the test will be required to enroll in PE 102 - Beginning/Intermediate Swimming.
ATH Graded: Credit/No Credit must take PE 102)

PE 102 - Beginning/Intermediate Swimming

Lab Hours: 2, Units: ½
Individual instruction for everyone, from beginning swimmers who need help in learning basic fundamentals and techniques to intermediate swimmers who want to improve their swimming technique and/or conditioning.
ATH | Graded: Credit/No Credit

PE 111 - Sports Conditioning

Lab Hours: 2, Units: 1
A total body cardiovascular workout designed to condition and cross train athletes during the off- season. This is an intermediate-level fitness class.
ATH | Graded: Credit/No Credit

PE 120 - Weight Training

Lab Hours: 2, Units: 1
Weight and circuit training will concentrate on assisting the student to develop endurance, strength, and flexibility through programs that can be adopted for bodybuilding or specific fitness for individual sports. Recommended as an

off-season conditioning program for intercollegiate athletes.
ATH | Graded: Credit/No Credit

PE 125 - Martial Arts

Lab Hours: 3, Units: 1
A rigorous martial arts program designed to create discipline, flexibility, and fitness while teaching the fundamentals and techniques of Kajukenbo. Students can earn belt ranks.
ATH | Graded: Credit/No Credit

PE 133 - Dance

Class Hours: 1 Units: 1
Introduction of specific dance movement skills and terminology, while improving physical endurance. Dance styles include Ballet, Latin and Ballroom. Foucses on partner dancing and proper manners on the dance floor.
PE

PE 160 - Beginning Sailing - Basic Keelboat

Lab Hours: 2, Units: 1
Classroom and practical instruction in sailing theory and skills for individuals with little to no sailing experience. Successful course completion leads to eligibility to take the CA Boater Card exam.
ATH | Graded: Credit/No Credit

PE 195 - Special Topics

ATH

PE 210 - Intercollegiate Soccer (Men)

Units: 1
Practice begins on the first day of school, and the season ends in mid November. Practices are from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 211 - Intercollegiate Soccer (Women)

Practice begins on the first day of school, and the season ends in mid November. Practices are from 4:30-6:30 PM daily.
ATH

PE 225 - Intercollegiate Water Polo (Men)

Units: 1
Practice begins on the first day of school, and the season ends in mid November. Practices are from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 226 - Intercollegiate Water Polo (Women)

Units: 1
Practice begins on the first day of school, and the season ends in mid November. Practices are from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 230 - Intercollegiate Sailing

Units: 1
Practice begins on the first day of school of each semester. Practices are normally from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 235 - Intercollegiate Crew (Men)

Units: 1
Practice begins on the first day of school of each semester. Practices are normally from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 236 - Intercollegiate Crew (Women)

Units: 1
Practice begins on the first day of school of each semester. Practices are normally from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 240 - Intercollegiate Basketball (Men)

Units: 1
Practice begins in early October, and the season continues into February. Practices are normally from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 241 - Intercollegiate Basketball (Women)

Units: 1
Practice begins in early October, and the season continues into February. Practices are normally from 4:30-6:30 PM daily.
ATH | Graded: Credit/No Credit

PE 250 - Intercollegiate Golf (Men's)

Units: 1
Practices are by arrangement and begin in mid- September through November in the fall and from mid-January through March in the spring.
ATH | Graded: Credit/No Credit

PE 251 - Intercollegiate Golf (Women's)

Class Hours: 3 Units: 1
Practices are by arrangement and begin in mid-September through November in the fall and from mid-January through April in the spring.
ATH

PE 255 - Rugby

Units: 1
Practices begin in early October and continue through November in the fall and from early January through March in the spring.
ATH | Graded: Credit/No Credit

PE 260 - Intermediate Sailing

Lab Hours: 2, Units: 1
Prerequisite(s): PE 160 or Consent of instructor
Advanced practical instruction on sailing theory and the skills to skipper single-handed a day sailing keelboat in familiar waters in light to moderate wind and sea conditions. Further training on use of Tide and Current Tables and the proper filing of a Float Plan.
ATH | Graded: Credit/No Credit

PE 270 - Intercollegiate Cross Country (Women)

Units: 1
Intercollegiate cross country running is a sport which takes place outside on terrains of different lay-outs and complexities in which teams and individuals attempt to complete a course faster than one another. Cross country has both men and women categories. The NAIA courses are 5 kilometers for the women and 8 kilometers for the men. Practices are daily with meets scheduled on the weekends. All athletes must pass a complete physical and must be certified by the Play NAIA player eligibility center. Athletes must be registered as full time students at the California State University Maritime Academy and maintain a 2.0 GPA. Practices include strength training, plyometrics, core conditioning, interval training and long distance running. Practices will be held on Bodnar Field track and at select off campus locations. All intercollegiate athletes are expected to participate in all practices and competitions. Athletes are also required to sign a contract acknowledging all of the specifics including time commitment and school representation. The Coach/Instructor will use multi-media aids, lecture and lab to instruct the Student Athlete. Athletes are expected to dress for running with the appropriate shoes to be discussed by the Coach.
ATH | Graded: Credit/No Credit

PE 271 - Intercollegiate Cross Country (Men)

Units: 1
Intercollegiate cross country running is a sport which takes place outside on terrains of different lay-outs and complexities in which teams and individuals attempt to complete a course faster than one another. Cross country has both men and women categories. The NAIA courses are 5 kilometers for the women and 8 kilometers for the men. Practices are daily with meets scheduled on the weekends. All athletes must pass a complete physical and must be certified by the Play NAIA player eligibility center. Athletes must be registered as full time students at the California State University Maritime Academy and maintain a 2.0 GPA. Practices include strength training, plyometrics, core conditioning, interval training and long distance running. Practices will be held on Bodnar Field track and at select off campus locations. All intercollegiate athletes are expected to participate in all practices and competitions. Athletes are also required to sign a contract acknowledging all of the specifics including time commitment and school representation. The Coach/Instructor will use multi-media aids, lecture and lab to instruct the Student Athlete. Athletes are expected to dress for running with the appropriate shoes to be discussed by the Coach.
ATH | Graded: Credit/No Credit

PE 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
ATH

PE 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
ATH

Physics

PHY 100 - Physics I

Class Hours: 3, Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): MTH 100
Co-requisite(s): PHY 100L
Vectors and scalars, Newton's laws, statics and dynamics, translational and rotational kinematics, rotational dynamics, work and energy, momentum, conservation principles, equilibrium and elasticity, gravitation, periodic motion and, fluids and buoyancy.
SM

PHY 100L - Physics I Lab

Lab Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Prerequisite(s): MTH 100
Co-requisite(s): PHY 100
Explores fundamental principles of kinematics, dynamics, work and energy, momentum, gravitation, simple harmonic motion, and other concepts studied in PHY 100 through experimentation.
SM

PHY 105 - Physics II

Class Hours: 3 Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): PHY 100
Co-requisite(s): PHY-105L
Fundamental principles of electrostatics, direct and alternating currents, electromagnetism, optics, quantum physics and nuclear processes, with problem solving.
SM

PHY 105L - General Physics II Laboratory

Lab Hours: 3 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Prerequisite(s): PHY 100 PHY 100L
Co-requisite(s): PHY 105
Explores fundamental principles of electrostatics, direct and alternating currents, electromagnetism, optics, electronmagnetic waves, and quantum physics through experiments. Experiments correspond to the theory learned in PHY 105.
SM

PHY 120 - Physics for Future Leaders

Class Hours: 3, Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): None
Co-requisite(s): None
Intended primarily for nonscientists, this course covers topics relevant to leaders, policy makers, and citizens confronted with science and technology issues. Topics include energy production and utilization; atoms and heat; radioactivity and nuclear reactions; nuclear bombs; light and radio waves for communication and navigation; climate change; quantum physics.
SM

PHY 120L - Physics for Future Leaders Lab

Lab Hours: 2, Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Prerequisite(s): None
Co-requisite(s): PHY 120
This lab is paired with the lecture series "Physics for Future Leaders." Intended primarily for nonscientists, this course covers topics relevant to leaders, policy makers, and citizens confronted with science and technology issues. Topics include energy production and utilization; atoms and heat; radioactivity and nuclear reactions; nuclear bombs; light and radio waves for communication and navigation; climate change; quantum physics.
SM

PHY 195 - Special Topics

SM

PHY 200 - Engineering Physics I

Class Hours: 3, Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): MTH 210
Co-requisite(s): PHY 200L
Vectors and scalars, motion, Newton's laws, statics and dynamics, translational and rotational kinematics, rotational dynamics, work and energy, momentum, conservation principles, equilibrium and elasticity, gravitation, periodic motion and fluid mechanics.
SM

PHY 200L - Engineering Physics I Lab

Lab Hours: 2 Units: 1
General Education: Area 5C Laboratory (formerly Area B3)
Prerequisite(s): MTH 210
Co-requisite(s): PHY 200
Explores fundamental principles of kinematics, dynamics, work and energy, momentum, gravitation, simple harmonic motion, and other concepts studied in PHY 200 through experimentation.
SM

PHY 205 - Engineering Physics II

Class Hours: 3 Units: 3
General Education: Area 5A Physical Science (formerly Area B1)
Prerequisite(s): PHY 200 PHY 200L MTH 211
Co-requisite(s): PHY 205L
Electrostatics, electric charge and force, Gauss's law, electric potential, voltage, capacitance, resistance, current, direct-current circuits and instruments, magnetic force and fields, Ampere's law, Faraday's law, RLC circuits, Maxwell's equations, and electromagnetic waves.
SM

PHY 205L - Engineering Physics II Laboratory

Lab Hours: 2 Units: 1
Prerequisite(s): PHY 200 MTH 211
Co-requisite(s): PHY 205
Explores fundamental principles of electrostatics, electric charge and force, electric potential, voltage, capacitance, resistance, direct and alternating current circuits and instruments, electromagnetism, and other concepts studied in PHY 205 through experimentation.
SM

PHY 390 - Independent Study

An Independent Study course is substantial study above and beyond the regular offerings in the Academy catalog. One to three units of credit, determined prior to registration, will be granted for Independent Study. The student must arrange with an Academy faculty member to be the Independent Study Advisor. Grading is typically by letter grade, although the student may request the CR/NC grading basis. An approved Application for Independent Study must be on file in the Student Records Office by the end of the normal add period.
SM

PHY 395 - Special Topics

Special topic courses are intended to enable each department to offer an elective course of study when faculty scholarship activities or the expertise of visiting faculty may afford a unique and worthwhile learning experience. Check the course schedule for current offerings.
SM

Other Courses

IBL 300 - International Business and Logistics Internship

Class Hours: 3 Units: 3
This course allows the student to spend time in a domestic work environment that has been setup by the Maritime Policy and Management Department. The student is expected to acquire practical learning outcomes in management, resource allocation, and business communications. The focus of this experience is to get employment in a company that will enhance the theoretical knowledge, improve the practical learning and build leadership and management skills.
IBL

MGT 360 - Inventory and Material Handling

Class Hours: 3 Units: 3
Prerequisite(s): Junior or Senior Standing
A study of best practices in the field of business logistics, including the transportation and distribution of products throughout a supply chain.

Baccalaureate Degree Requirements

Baccalaureate Degree Definition

A baccalaureate degree is the academic title that Cal Maritime confers upon successful completion of all coursework, including General Education requirements, major requirements, and any elective coursework, as specified by Title 5 of the California Code of Regulations. Cal Maritime offers two baccalaureate degrees, a Bachelor of Arts (B.A.) degree and a Bachelor of Science (B.S.) degree. Specific coursework required for each major can be found in the Schools and Academic Programs area of this catalog.

A candidate for a Bachelor of Arts or Bachelor of Science degree at Cal Maritime must have completed the academic program with a cumulative rade point average of not less than 2.00 in each of three separate assessments:

- Overall: all baccalaureate-level units completed (all college-level work, no matter what the institution, including Cal Maritime);
- Campus: all units completed at Cal Maritime; and
- Major: all units completed in the major.

Baccalaureate Degree Requirements

The California Code of Regulations sets forth basic requirements for a baccalaureate degree:

- 43 units of General Education (G.E.) Requirements;
- Major coursework (at least 24 units for a B.A., at least 36 units for a B.S.);
- Upper Division coursework: at least 40 units of upper division, of which 12 (for a B.A.) or 18 (for a B.S.) will be in your chosen major;
- US History, Constitution, and American Ideals Requirement;
- Satisfaction of the University Writing Skills Requirement;

Requirements in United States History, Constitution and American Ideals

The California Code of Regulations requires that students demonstrate competencies in U.S. History, the U.S. Constitution, and California State and local government for graduation. These requirements may be satisfied through the completion of one course in U.S. government and one course in U.S. history.

Residency Requirements

To be eligible for a degree from Cal Maritime, a student must complete a minimum of 30 units of upper division coursework at this institution.

General Education Program

Description of Program

The California State University Maritime Academy embraces the principles of general education for the California State University as outlined in the California State University Executive Order 1100: "CSU General Education requirements have been designed to complement the major program and electives completed by each baccalaureate candidate, to assure that graduates have made noteworthy progress toward becoming truly educated persons." Whenever possible, Cal Maritime subscribes to the breadth and depth requirements, but given the number of high-unit professional and licensure major degree programs, some exceptions may apply. Specific information on exceptions and curricular paths can be found in those catalog sections devoted to specific majors.

General Education Requirements

- Every baccalaureate candidate who has not completed either the Cal-GETC or UC GE shall complete the CSU General Education requirements totaling a minimum of 43 semester units.
- A grade of C- or better is required in each CSU or transfer course in English composition, critical thinking, oral communication and mathematical concepts and quantitative reasoning.
- At least nine of these semester units must be upper-division level, taken no sooner than the term in which upper-division status (completion of 60 semester units) is attained.
- At least nine of the 43 semester units must be earned at Cal Maritime.
- Through a process of campus-wide curriculum review and approval, Cal Maritime permits the "double counting" of courses for General Education with major requirements and prerequisites only after giving careful consideration to the impact of such actions on general education programs.
- Cal Maritime permits up to six semester units taken to meet the United States History, Constitution, and American Ideals Requirement to be credited toward also satisfying General Education Requirements.

General Education Area Distribution

Courses approved to fulfill the following GE subject area distribution requirements should address the contributions to knowledge and civilization that have been made by members of diverse cultural and gender groups.

Area 1 English Communication
9 semester units

1A	English Composition	3 semester units

1B	Critical Thinking	3 semester units
1C	Oral Communication	3 semester units

Area 1 requires 9 semester units in English composition (1A), critical thinking (1B) and oral communication (1C). Students taking courses in fulfillment of Areas 1A and 1C will develop knowledge and understanding of the form, content, context, and effectiveness of communication. Students will develop proficiency in oral and written communication in English, examining communication from the rhetorical perspective and practicing reasoning and advocacy, organization, and accuracy. Students will enhance their skills and abilities in the discovery, critical evaluation, and reporting of information, as well as reading, writing, and listening effectively. Coursework must include active participation and practice in both written communication and oral communication in English.

In critical thinking (1B) courses, students will understand logic and its relation to language; elementary inductive and deductive processes, including an understanding of the formal and informal fallacies of language and thought, and the ability to distinguish matters of fact from issues of judgment or opinion. In 1B courses, students will develop the abilities to analyze, criticize, and advocate ideas; to reason inductively and deductively; and to reach well-supported factual or judgmental conclusions.

Area 2 Mathematical Concepts and Quantitative Reasoning

3 lower-division semester units

Additionally, 3 upper-division semester units may be taken in Area 2 or Area 5

One lower-division course in this area, and one upper-division course in either Area 2 or 5

2	Mathematical Concepts and Quantitative Reasoning	3 ser
Upper-Division	Mathematical Concepts and Quantitative Reasoning	3 ser

Through courses in Area 2, students shall demonstrate the abilities to reason quantitatively, practice computational skills, and explain and apply mathematical or quantitative reasoning concepts to solve problems. In addition to traditional mathematics, Area 2 courses may include computer science, personal finance, statistics or discipline-based mathematics or quantitative reasoning courses.

Area 3 Arts and Humanities
9 semester units with 3 semester units taken at the upper-division level

One lower-division course in each area, and one upper-division course in either areas.

3A	Arts	3 semester units
3B	Humanities	3 semester units
Upper-Division	Arts or Humanities	3 semester units

Area 3 requires 9 semester units among the arts, literature, philosophy and languages other than English.

Across the disciplines in Area 3 coursework, students will cultivate intellect, imagination, sensibility and sensitivity. Students will respond subjectively as well as objectively to aesthetic experiences and will develop an understanding of the integrity of both emotional and intellectual responses. Students will cultivate and refine their affective, cognitive, and physical faculties through studying works of the human imagination. In their intellectual and subjective

considerations, students will develop a better understanding of the interrelationship between the self and the creative arts and of the humanities in a variety of cultures.

Activities may include participation in individual aesthetic, creative experiences; however, Area 3 excludes courses that exclusively emphasize skills development. Students may take courses in languages other than English in partial fulfillment of this requirement if the courses do not focus solely on skills acquisition and integrate a substantial cultural component. This may include literature, among other content.

Area 4 Social and Behavioral Sciences
9 semester units, with 3 semester units take at the upper-division level

Six semester lower-division units and 3 additional semester units at the upper-division. Courses shall be completed in at least 2 different disciplines among the 9 required semester units.

4	Social and Behavioral	6 semester units
Upper-Division	Social and Behavioral Sciences	3 semester units

Area 4 requires 9 semester units focused on human social, political and economic institutions and behavior, and their historical background.

Students learn from courses in multiple Area 4 disciplines that human social, political and economic institutions, and behavior are inextricably interwoven. Through fulfillment of the Area 4 requirement, students will develop an understanding of problems and issues from the respective disciplinary perspectives and will examine issues in their contemporary as well as historical settings and in a variety of cultural contexts. Students will explore the principles, methodologies, value systems and ethics employed in social scientific inquiry. Courses that emphasize skills development and professional preparation are excluded from Area 4.

Area 5 Physical and Biological Sciences

7 lower-division semester units (9 quarter units), which includes 1 semester (1 quarter) unit allocated for a laboratory.

Additionally, 3 upper-division semester (4 quarter) units may be taken in Area 5 or Area 2 (see Area 2 above).

One lower-division course in each area. One of the two lower-division courses must be associated with a 1 semester unit laboratory. In addition, one upper-division course in either Area 5 or Area 2.

5A	Physical Science	3 semester units
5B	Biological Science	3 semester units
5C	Laboratory*	1 semester unit
Upper-Division	Physical or Biological Science	3 semester units

Area 5 courses focus on scientific theories, concepts and data about the physical and biological aspects of the world. Through their courses in Area 5 disciplines, students will achieve an understanding and appreciation of scientific principles and the scientific method, as well as the potential limits of scientific endeavors and the value systems and ethics associated with human inquiry.

The Area 5 laboratory must support learning by exposing students to scientific inquiry, the empirical nature of science, and hands-on experiences in any instructional modality (see 3.2).

**Three semester unit science courses with an embedded laboratory may be used to meet the laboratory requirement as long as the minimum unit value is met for Area 5. Stand-alone laboratories shall be a minimum of 1 semester unit and shall have a prerequisite or co-requisite of the associated lecture course.*

Area 6 Ethnic Studies

3 semester units

6	Ethnic Studies	3 semester units

This lower-division, 3 semester unit requirement fulfills Education Code Section 89032. The requirement to take a 3 semester unit course in Area 6 shall not be waived or substituted.

Course outcomes and competencies are as follows:

1. Analyze and articulate concepts such as race and racism, racialization, ethnicity, equity, ethno-centrism, eurocentrism, white supremacy, self-determination, liberation, decolonization, sovereignty, imperialism, settler colonialism, and anti-racism as analyzed in any one or more of

the following: Native American Studies, African American Studies, Asian American Studies, and Latina and Latino American Studies.

2. Apply theory and knowledge produced by Native American, African American, Asian American, and/or Latina and Latino American communities to describe the critical events, histories, cultures, intellectual traditions, contributions, lived-experiences and social struggles of those groups with a particular emphasis on agency and group-affirmation.

3. Critically analyze the intersection of race and racism as they relate to class, gender, sexuality, religion, spirituality, national origin, immigration status, ability, tribal citizenship, sovereignty, language, and/or age in Native American, African American, Asian American, and/or Latina and Latino American communities.

4. Critically review how struggle, resistance, racial and social justice, solidarity, and liberation, as experienced and enacted by Native Americans, African Americans, Asian Americans and/or Latina and Latino Americans are relevant to current and structural issues such as communal, national, international, and transnational politics as, for example, in immigration, reparations, settler-colonialism, multiculturalism, language policies.

5. Describe and actively engage with anti-racist and anti-colonial issues and the practices and movements in Native American, African American, Asian American and/or Latina and Latino communities and a just and equitable society.

Graduation Requirement in Writing Proficiency

The Graduate Writing Assessment Requirement (GWAR)

The Graduation Writing Assessment Requirement (GWAR) requires that all CSU students demonstrate competence in written communication before they are granted a baccalaureate degree. With the start of the fall term 2023, "students shall meet the GWAR requirement via a 3-semester unit, upper-division course as determined by the campus." Students who are subject to the degree requirements of the 2023-24 or subsequent general catalogs and "who are undertaking a second baccalaureate degree will be deemed to have met the requirement if their first baccalaureate degree is from an institution of higher education accredited by a U.S. regional accreditor."(CSU EO 0665 as revised 4/6/2023).

At Cal Maritime, all students who have satisfactorily completed both EGL 100 - English Composition, and EGL 220 - Critical Thinking and at least 60 units of academic coursework ("Junior" standing) may satisfy the requirement through

either EGL 300 - Advanced Writing or EGL 302 - Nonfiction Writing. Oceanography students fulfill this requirement via a major-specific course called EGL 301 - Project-Based Writing for Science. Students in any GWAR-certifying course must pass with a C- or above to receive credit.

Please note that students should be matriculated at the CSU campus where they satisfy the Graduation Writing Assessment Requirement (GWAR), although "certification of graduation writing competence shall be transferable from one CSU campus to another" (EO 0665 as revised). Unless a student has previously met this requirement at another CSU campus before transferring to Cal Maritime, they must satisfy the GWAR at Cal Maritime.

All GWAR certifying courses are offered through the Department of Culture and Communication. Questions about these courses or GWAR certification may be addressed to the chair, Dr. Colin Dewey (cdewey@csum.edu).

U.S. Coast Guard License Examination

The U.S. Coast Guard will issue a license as Third Mate or Third Assistant Engineer to license-track graduates of Cal Maritime who

- are U.S. citizens
- complete the baccalaureate program
- meet the standards established by the U.S. Coast Guard, and
- pass the license examination

To be eligible to take the license examination, a student must:

- apply to the U.S. Coast Guard to sit for the license exam in the last semester of attendance
- pay appropriate U.S. Coast Guard fees, and
- complete all Cal Maritime STCW/USCG license requirements

Admission into programs leading to licensure and credentialing does not guarantee that students will obtain a license or credential. Licensure and credentialing requirements are set by agencies that are not controlled by or affiliated with the CSU and requirements can change at any time. For example, licensure or credentialing requirements can include evidence of the right to work in the United States (e.g., social security number or tax payer identification number) maintaining academic and conduct eligibility for Cadet status, meeting USCG medical requirements, or successfully passing a criminal background check. Students are responsible for determining whether they can meet licensure or credentialing requirements. The CSU will not refund tuition, fees, or any associated costs, to students who determine subsequent to admission that they cannot meet licensure or credentialing requirements. Information concerning licensure and credentialing requirements are available from the USCG Licensing Programs Office.

Sea Training Requirements

Three training cruises, established by the U.S. Coast Guard, are required of all students seeking a license as Third Mate or Third Assistant Engineer. During these training periods, referred to as summer sea term, students put the skills and knowledge they have been taught in the classroom to the ultimate test - actual practice. The entire operation of the Training Ship *Golden Bear* is performed by students, with licensed faculty officers acting in an advisory capacity. First-year students do the more elementary tasks, while third-year students perform all the duties of ship officers.

The sea training is designed to comply with the International Maritime Organization's Standards of Training, Certification and Watchkeeping of Seafarers, 1978, as amended. Additionally, the sea training is designed to provide all students with an understanding of the maritime industry and the requirements of living in a ship environment.

The sea terms will be accomplished in the following order on the following vessels: training ship, commercial ship, and training ship. This program is part of the academic curriculum and carries credit for graduation.

Transfers from other state maritime academies or the U.S. Merchant Marine Academy will be evaluated on a case by case basis for completion of Cal Maritime's approved program, including sea time equivalency.

Military, merchant mariner sea time external to Cal Maritime's approved program, and volunteer/observer sea time may not be used in meeting the sea service requirements.

A student's major will normally determine the type of sea training. The required amount of sea training for each major is as follows:

- Business Administration - one sea training or international experience
- Facilities Engineering Technology - one sea training experience as an engineering student
- Global Studies and Maritime Affairs - one sea training or international experience
- Marine Engineering Technology - three sea training experiences as an engineering student
- Marine Transportation - three sea training experiences as a marine transportation student
- Mechanical Engineering with license - three sea training experiences as an engineering student
- Mechanical Engineering - one sea training experience

Commencement and the Awarding of Degrees and Licenses

In order for a degree candidate to participate in commencement he/she must be able to complete all academic requirements by the end of the following fall semester. Students are expected to apply for graduation by the deadlines published on the Office of the Registrar website. The Registrar will then determine eligibility to participate in commencement. The degree and any appropriate license will be awarded upon completion of all degree requirements.

International Programs

Developing intercultural communication skills and international understanding among its students is a vital mission of the California State University (CSU). Since its inception in 1963, the CSU International Programs, a systemwide department operating from within the CSU Chancellor's Office in Long Beach, California, has contributed to this effort by providing qualified students an affordable opportunity to continue their studies abroad for a full academic year. More than 15,000 CSU students have taken advantage of this unique study option. In addition, CSU International Programs has student exchange agreements with institutions worldwide. California welcomes our international exchange students and values our reciprocal partnerships with top universities around the world.

International Programs participants earn resident academic credit at their CSU campuses while they pursue full-time, yearlong study at a host university or special study center abroad. The International Programs serves the needs of students in over 100 designated academic majors. Affiliated with more than 70 recognized universities and institutions of higher education in 18 countries, the International Programs also offers a wide selection of study locales and learning environments.

International Programs pays all tuition and administrative costs for participating California resident students to the same extent that such funds would be expended to support similar costs in California. CSU IP participants are responsible for all personal costs, such as transportation, room and board, living expenses, and home campus fees. Financial aid, with the exception of Federal Work-Study, is available to qualified students.

To qualify for admission to the International Programs, students must have upper division or graduate standing at a CSU campus by the time of departure. Students at the sophomore level may, however, participate in the intensive language acquisition programs in China, France, Germany, Mexico and Taiwan, or the Study in English programs in Korea, Mexico, Sweden and Taiwan. California Community Colleges transfer students are eligible to apply directly from their community colleges. Students must also possess a current cumulative grade point average of 2.75 or 3.0,

depending on the program for which they apply. Some programs also have language study and/or other coursework prerequisites.

Students can begin to explore study abroad programs, requirements and eligibility on the study abroad brochure pages of this site. Incoming exchange students can begin by reviewing the list of CSU IP exchange partners to ensure their home university is on the list. If it is, students should contact the exchange coordinator at their home institution to understand the selection and admissions processes; if it is not, students are welcome to apply to the California State University as an international student.

AUSTRALIA - Griffith University, Macquarie University, Queensland University of Technology, University of Queensland, Western Sydney University

CANADA - Concordia University

CHILE - Pontificia Universidad Católica de Chile

CHINA - Peking University (Beijing)

FRANCE -

Aix-Marseille Université
CY Cergy Paris Université
École Normale Supérieure Paris-Saclay (ENS)
ESSCA, Aix-en-Provence Campus (effective Spring 2024)
Institut Catholique de Paris
Institut Polytechniques des Sciences Avancées (IPSA)
Institut Supérieur d'Electronique de Paris (ISEP)
Science Politiques Saint-Germain-En-Laye
Sorbonne Université
Université d'Evry Val-d'Essonne (UEVE)
Université de Versailles Saint-Quentin-en-Yvelines (UVSQ)
Université Paris Cité
Université Gustave Eiffel
Université Panthéon-Assas
Université Paris 1 Panthéon-Sorbonne
Université Paris 8 - Vincennes-Saint-Denis
Université Paris Nanterre
Université Paris-Est Créteil Val-de-Marne (UPEC)
Université Paris-Saclay
Université Sorbonne Nouvelle (formerly Paris 3)
Université Sorbonne Paris Nord

GERMANY -

Hochschule Biberach
Hochschule der Medien Stuttgart
Hochschule für Forstwirtschaft Rottenburg
Hochschule Furtwangen
Hochschule Konstanz
Hochschule Mannheim
Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen
Hochschule Reutlingen
Hochschule Ravensburg-Weingarten
Hochschule Ulm

Karlsruher Institut für Technologie
Pädagogische Hochschule Freiburg
Pädagogische Hochschule Ludwigsburg
Staatliche Hochschule für Musik Trossingen
Staatliche Akademie der Bildenden Künste Stuttgart
Universität Freiburg
Universität Heidelberg
Universität Hohenheim
Universität Konstanz
Universität Mannheim
Universität Stuttgart
Universität Tübingen
Universität UlmHochschule Biberach
Hochschule der Medien Stuttgart
Hochschule für Forstwirtschaft Rottenburg
Hochschule Furtwangen
Hochschule Konstanz
Hochschule Mannheim
Hochschule für Wirtschaft und Umwelt Nürtingen-Geislingen
Hochschule Reutlingen
Hochschule Ravensburg-Weingarten
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Staatliche Akademie der Bildenden Künste Stuttgart
Universität Freiburg
Universität Heidelberg
Universität Hohenheim
Universität Konstanz
Universität Mannheim
Universität Stuttgart
Universität Tübingen
Universität Ulm

GHANA - University of Ghana

ISRAEL - University of Haifa

ITALY - Accademia di Belle Arti Firenze

JAPAN - Waseda University, University of Tsukuba

MEXICO - Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Querétaro

SOUTH AFRICA - Nelson Mandela Metropolitan University

SOUTH KOREA - Yonsei University, Korea University

SPAIN - Universidad Complutense de Madrid, Universidad de Granada

SWEDEN - Uppsala University

TAIWAN - National Taiwan University

UNITED KINGDOM - University of Bradford, University of Bristol, University of Hull, Kingston University, Swansea University, University of Birmingham

Students participating in CSU IP pay CSU tuition and program fees, and are responsible for airfare, accommodations, meals, and other personal expenses. Financial aid, with the exception of Federal Work- Study, is available to qualified students and limited scholarship opportunities are also available. All programs require students to maintain good academic and disciplinary standing, many programs are open to sophomores or graduate students. California Community College transfer students are eligible to apply (to select programs) directly from their community colleges. Students must possess a current cumulative grade point average of 2.75 or 3.0, depending on the program, and must fulfill all coursework prerequisites. Additional program information and application instructions can be found on the International Programs website.

Catalog Home

Academic Catalog 2025-2026

We hope you find our interactive catalog easy to navigate. The links to your left will take you to various sections of the catalog, and the Catalog Search feature can help you find what you are looking for. The "?" at the top right of any page offers additional information on how to use this catalog. If you have suggestions on how we could improve the catalog, please e-mail your ideas to the catalog editor at registrar@csum.edu.

Changes in Rules and Policies

Although every effort has been made to ensure the accuracy of the information in this catalog, students and others who use this catalog should note that laws, rules, and policies change from time to time, and that these changes may affect the information contained in this publication.

To prepare its students to pass licensing examinations, Cal Maritime modifies its curriculum to include the most recent changes in U.S. Coast Guard requirements. Changes may also come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the California State University, by the Chancellor or designee of the California State University, or by the President or designee of Cal Maritime. Furthermore, it is not possible in a publication of this size to include all of the rules, policies and other information that pertain to students, the institution, and the California State University. More current or complete information may be obtained from the Cal Maritime website, and the appropriate department, school, or administrative office.

Nothing in this catalog shall be construed as, operate as, or have the effect of an abridgement or a limitation of any rights, powers, or privileges of the Board of Trustees of the California State University, the Chancellor of the California State University, or the President of Cal Maritime. The Trustees, the Chancellor, and the President are authorized by law to adopt, amend, or repeal rules and policies that apply to students. This catalog does not constitute a contract, or the terms and conditions of a contract, between the student and Cal Maritime or the California State University. The relationship of the students to Cal Maritime and the California State University is one governed by statute, rules, and policy adopted by the Legislature, the Trustees, the Chancellor, the Presidents and their duly authorized designees.

Undergraduate Information

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Requirements for admission to California State University Maritime Academy are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Complete information is available at www.calstate.edu/apply.

All CSU applications must be submitted online at www.calstate.edu/apply. An acknowledgement will be sent to the applicant when the online application has been submitted.

IMPORTANCE OF FILING COMPLETE, ACCURATE, AND AUTHENTIC APPLICATION DOCUMENTS

Cal Maritime advises prospective students that they must supply complete and accurate information on the application for admission, residency questionnaire, and financial aid forms. Further, applicants must, **when requested**, submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate, and authentic application documents may result in denial of admission, cancellation of registration or academic credit, suspension, or expulsion (Section 41301, Article 1.1, Title 5, California Code of Regulations).

USE OF SOCIAL SECURITY NUMBER

Applicants are required to include their correct social security numbers in designated places on applications for admission pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section

6109 of the Internal Revenue Code (26 U.S.C. 6109). The University uses the social security number to identify students and their records including identification for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. Also, the Internal Revenue Service requires the University to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses, and interest on educational loans. This information is used by the IRS to help determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes.

UNDERGRADUATE APPLICATION PROCEDURES

Prospective students applying for part-time or full-time undergraduate programs of study must submit a completed undergraduate application. The $55 nonrefundable application fee should be paid online at the time of application via credit card, e-check, or PayPal and may not be transferred or used to apply to another term. An alternate major may be requested on the application if desired from the campus. The applications of persons denied admission to an impacted campus may be redirected to another campus at no cost, but only if the applicant is CSU eligible.

IMPACTED PROGRAMS

The CSU designates programs as impacted when more applications from regularly eligible applicants are received in the initial filing period (October and November for fall terms, June for winter terms, August for spring terms, February for summer terms) than can be accommodated. Some programs are impacted at every campus that they are offered; others are impacted only at a few campuses. Candidates for admission must meet all of the campus' specified supplementary admission criteria if applying to an impacted program or campus.

The CSU will announce during the fall filing period those campuses or programs that are impacted. Detailed information on campus and program impaction will be available www2.calstate.edu/attend/impaction-at-the-csu.

Campuses will communicate supplementary admission criteria for all impacted programs to high schools and community colleges in their application service area and will disseminate this information to the public through appropriate media. This information will also be published on the CSU campus website and made available at www.calstate.edu.

Applicants must file applications for admission to an impacted program during the initial filing period. Applicants who wish to be considered in impacted programs at more than one campus should file an application at each campus for which they seek admission consideration.

SUPPLEMENTARY ADMISSION CRITERIA

Each campus with impacted programs or class-level admission categories uses supplementary admission criteria in screening applicants. Supplementary criteria may include rank-ordering of freshman applicants based on the CSU eligibility index or rank-ordering of transfer applicants based on verification of Associate in Arts for Transfer (AA-T) or Associate in Science for Transfer (AS-T) degrees, the overall transfer grade point average (GPA), completion of specified prerequisite courses, and a combination of campus-developed criteria. Applicants for freshman admission to impacted campuses or programs are required to submit scores on either the SAT or the ACT, regardless of GPA. For fall admission, applicants should take tests as early as possible, but no later than November or December of the preceding year.

The supplementary admission criteria used by individual campuses to screen applicants are made available by the campuses to all applicants seeking admission to an impacted program.

Up to date information on impacted programs at Cal Maritime can be found at the Office of Admission website.

APPLICATION FILING PERIODS

TERMS	APPLICATIONS FIRST ACCEPTED	INITIAL FILING PERIOD	FILING PERIOD DURATION
Fall Semester or Quarter	October 1	October 1 - November 30	Each non-impacted campus accepts applications until capacities are reached. Many campuses limit undergraduate admission in an enrollment category due to overall enrollment limits. If applying after the initial filing period, consult the campus admission office for current information.
Winter Quarter	June 1	June 1 - 30	
Spring Semester or Quarter	August 1	August 1 - 31	
Summer Semester or Quarter **(Most campuses do not admit students to summer term)**	February 1	February 1 - 28	

APPLICATION ACKNOWLEDGMENT

On-time applicants may expect to receive an acknowledgment from the campuses to which they have applied within two to four weeks of filing the application. The notice may also include a request that applicants submit additional records necessary to evaluate academic qualifications. Applicants may be assured of admission if the evaluation of relevant qualifications indicates that applicants meet CSU admission requirements, and in the case of admission impaction, supplemental criteria for admission to an impacted program. Unless specific written approval/confirmation is received, an offer of admission is not transferable to another term or to another campus.

HARDSHIP PETITIONS

The campus has established procedures for consideration of qualified applicants who would be faced with extreme hardship if not admitted. Petitioners should write the campus Admission Offices regarding specific policies governing hardship admission.

UNDERGRADUATE ADMISSION REQUIREMENTS

FRESHMAN REQUIREMENTS

- Generally, applicants will qualify for consideration for first-time freshman admission if they meet the following requirements:
- Have graduated from high school, have earned a Certificate of General Education Development (GED) or have passed the California High School Proficiency Examination (CHSPE);
- Have a qualifiable minimum eligibility index (see Eligibility Index); and
- Have completed with grades of C or better each of the courses in the comprehensive pattern of college preparatory subject requirements also known as the "a-g" pattern (see "Subject Requirements").

Eligibility Index - The Eligibility Index is the combination of the high school GPA and scores on either the ACT or the SAT. GPA is based on grades earned in courses taken during the final three years of high school. Included in calculation of GPA are grades earned in all college preparatory "a-g" subject requirements, and bonus points for approved honors courses. Up to eight semesters of honors courses taken in the last three years of high school, including up to two approved courses taken in the tenth grade can be accepted. Each unit of A in an honors course will receive a total of 5 points; B, 4 points; and C, 3 points.

A CSU Eligibility Index can be calculated by multiplying your GPA by 800 and adding the total score on the SAT exam *(mathematics and critical reading on the old SAT, or mathematics and Evidence-Based Reading and Writing on the new SAT)*. For students who took the ACT, multiply the GPA by 200 and add 10 times the ACT composite score. Persons who are California high school graduates (or residents of California for tuition purposes) need a minimum index of 2900 using the old SAT or 2950 using the new SAT or 694 using the ACT. The Eligibility Index Table illustrates several combinations of required test scores and averages. The University has no current plans to include the writing scores from either of the admissions tests in the computation of the CSU Eligibility Index.

Persons who neither graduated from a California high school nor are a resident of California for tuition purposes, need a minimum index of 3502 using the old SAT, 3570 using the new SAT or 842 using the ACT. Graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section. An applicant with a grade point average of 3.00 or above (3.61 for non-residents) is not required to submit test scores. However, all applicants for admission are **urged to take the SAT or ACT and provide the scores of such tests to each CSU to which they seek admission**. Campuses use these test results for advising and placement purposes and may require them for admission to impacted majors or programs. Impacted CSU campuses require SAT or ACT scores of all applicants for **freshman admission**.

SAT and ACT Eligibility Index Tables 2017-18

PROVISIONAL ADMISSION

Cal Maritime may provisionally admit first-time freshman applicants based on their academic preparation through the junior year of high school and planned coursework for the senior year. The campus will monitor the final terms of study to ensure that admitted students complete their secondary school studies satisfactorily, including the required college preparatory subjects, and graduate from high school. Students are required to submit an official transcript after graduation to certify that all course work has been satisfactorily completed. Official high school transcripts must be received prior to deadline set by the University. In no case may documentation of high school graduation be received any later than the census date for a student's first term of CSU enrollment. A campus may rescind admission decisions, cancel financial aid awards, withdraw housing contracts and cancel any University registration for students who are found to be ineligible after the final transcript has been evaluated.

Applicants will qualify for regular (non-provisional) admission when the University verifies that they have graduated and received a high school diploma, have earned a qualifiable minimum eligibility index, have completed the comprehensive pattern of college preparatory "a-g" subjects, and, if applying to an impacted program or campus, have met all supplementary criteria.

The CSU uses only the ACT composite score, the *mathematics and critical reading scores on the old SAT, or the mathematics and Evidence-Based Reading and Writing scores on the new SAT* in its admission eligibility equation. The SAT or ACT writing scores are not currently used by CSU campuses.

Subject requirements - The CSU requires that first-time freshman applicants complete, with grades of C or better, a comprehensive pattern of college preparatory study totaling 15 units. A "unit" is one year of study in high school.

- 2 years of social science, including 1 year of U.S. history, or U.S. history and government
- 4 years of English
- 3 years of math (algebra, geometry and intermediate algebra; four years recommended)
- 2 years of laboratory science (1 biological & 1 physical, both must have laboratory instruction)
- 2 years in the same foreign language (subject to waiver for applicants demonstrating equivalent competence)
- 1 year of visual and performing arts: art, dance, drama/theater, or music
- 1 year of electives: selected from English, advanced mathematics, social science, history, laboratory science, foreign language, visual and performing arts or other courses approved and included on the UC/CSU "a-g" list

CALIFORNIA PROMISE

The California Promise Program enables a specific number of CSU campuses to establish pledge programs for entering first-time students who are both interested and able to complete baccalaureate degrees in 4 years. Many campuses have also established programs for students with Associate Degrees for Transfer from any California Community College to complete their baccalaureate degrees in 2-years. The program is limited to students who are residents of California.

Students who commit to enter either the 4-year or 2-year pledge will be given a priority registration appointment for each state-supported enrollment period and will be provided with routine and thorough academic advisement. In order to remain in the program, students must meet with their advisors as prescribed, develop an enrollment plan, and complete 30 semester units or the quarter equivalent within each academic year, including summer. Participating campuses may stipulate other important requirements as well. Interested students entering the CSU should contact the campus offices or visit www2.calstate.edu/apply/freshman/getting_into_the_csu/pages/the-california-promise-program.aspx.

HIGH SCHOOL STUDENTS

High school students may be considered for enrollment in certain special programs if recommended by the principal and the appropriate campus department chair and if preparation is equivalent to that required of eligible California high school graduates. Such admission is only for a given specific program and does not constitute a right to continued enrollment.

TRANSFER POLICIES OF CSU CAMPUSES

Most commonly, college level credits earned from an institution of higher education accredited by a regional accrediting agency are accepted for transfer to campuses of the CSU; however, authority for decisions regarding the transfer of undergraduate credits is delegated to each CSU campus.

California Community Colleges and other authorized certifying institutions can certify up to 39 semester (58.5 quarter) units of General Education-Breadth (GE-Breadth) or 37 semester (55.5 quarter) units of the Intersegmental General

Education Transfer Curriculum (IGETC) for transfer students to fulfill lower-division general education requirements for any CSU campus prior to transfer.

"Certification" is the official notification from a California Community College or authorized institution that a transfer student has completed courses fulfilling lower-division general education requirements. The CSU GE-Breadth and the Intersegmental General Education Transfer Curriculum (IGETC) certification course lists for particular community colleges can be accessed at www.assist.org.

CSU campuses may enter into course-to-course or program-to-program articulation agreements with other CSU campuses, any or all of the California Community Colleges, and other regionally accredited institutions. Established CSU and California Community College articulations may be found on www.assist.org. Students may be permitted to transfer no more than 70 semester (105 quarter) units to a CSU campus from an institution that does not offer bachelor's degrees or their equivalents, for example, community colleges. Given the university's 30-semester (45-quarter) unit residency requirement, no more than a total of 90-semester (135-quarter) units may be transferred into the University from all sources.

TRANSFER REQUIREMENTS

Applicants who have completed fewer than 60 transferable semester college units (fewer than 90 quarter units) are considered lower-division transfer students. Applicants who have completed 60 or more transferable semester college units (90 or more quarter units) are considered upper-division transfer students. Applicants who complete college units during high school or through the summer immediately following high school graduation are considered first-time freshmen and must meet the CSU minimum eligibility requirements for first-time freshman admission. Transferable courses are those designated for baccalaureate credit by the college or university offering the courses and accepted as such by the campus to which the applicant seeks admission.

LOWER-DIVISION TRANSFER REQUIREMENTS

Due to increased enrollment demands, most CSU campuses do not admit lower-division transfer applicants.

Generally, applicants will qualify for CSU admission consideration as a lower-division transfer if they have a cumulative GPA of at least 2.0 in all transferable units attempted, are in good standing at the last college or university attednded, and meet any of the following standards:

1. Will meet the freshman admission requirements (GPA and subject requirements) in effect for the term to which they are applying (see "Freshman Requirements"); or
2. Were eligible as a freshman at the time of high school graduation except for missing college preparatory subject requirements, have been in continuous attendance in an accredited college since high school graduation, and have made up the missing subject requirements with a 2.0 or better GPA.

Applicants who graduated from high school prior to 1988 should contact the admission office to inquire about alternative admission programs.

Lower-division applicants who did not complete subject requirements while in high school may make up missing subjects in any of the following ways:

1. Complete appropriate courses with a C or better in adult school or high school summer sessions.
2. Complete appropriate college courses with a C or better. One college course of at least three semester or four quarter units will be considered equivalent to one year of high school study.
3. Earn acceptable scores on specified examinations, e.g., SAT subject tests.

Please consult with the CSU campus admission office, to which you are applying for further information about alternative ways to satisfy the subject requirements.

UPPER-DIVISION TRANSFER REQUIREMENTS

Generally, applicants will qualify for consideration for upper-division transfer admission if they meet all of the following requirements:

1. Cumulative grade point average of at least 2.0 in all transferable units attempted;
2. In good standing at the last college or university attended; and
3. Completed at least sixty (60) transferable semester (90 quarter) units of college level coursework with a grade point average of 2.0 or higher and a grade of C- or better in each course used to meet the CSU general education requirements in written communication, oral communication, critical thinking, and quantitative reasoning, e.g. mathematics.

The 60 units must include at least 30 units of courses, that meet CSU general education requirement, including all of the general education requirements in communication in the English language (both oral and written) and critical thinking and the requirement in mathematics/quantitative reasoning (usually 3 semester units) OR the Intersegmental General Education Transfer Curriculum (IGETC) requirements in English communication and mathematical concepts and quantitative reasoning.

ASSOCIATE DEGREES FOR TRANSFER (AA-T OR AS-T)

The Associate in Arts for Transfer (AA-T) and the Associate in Science for Transfer (AS-T) degrees offered at the California Community Colleges (CCC) are designed to provide California Community College students the optimum transfer preparation and clear admission pathway to the CSU degree majors. T

CCC students who earn an Associate Degree for transfer (AA-T or AS-T) are guaranteed admission with junior standing to the a CSU and given prority admission over other transfer applicants when applying to a local CSU campus or non-impacted CSU program. AA-T or AS-T admission applicatns are given limited priority consderation based on their eligibility ranking to an impacted campus/program or to campuses/programs that have deemed similar to the degree completed at the community college. Students who have completed an AA-T/AS-T in a program deemed similar to a CSU major are able to complete remaining requirements for graduation within 60 semester (90 quarter units). It is the responsibility of the student who has earned an AA-T/AS-T to provide documentation of the degree to the CSU campus. Because several CSU campuses are receiving more transfer applications from eligible students than can be accommodated, these campuses have declared impaction resulting in higher admission criteria. See more on impaction at www.calstate.edu/SAS/impactioninfo.shtml. However, transfer students who earn the AA-T or AS-T degrees, are given priority admission over other transfer applicants when applying to a non-impacted CSU campus or to a non-impacted program from a community college within the local admission area of the campus. These students are also given priority

Those students who earn associate degrees for transfer and apply to a CSU campus but cannot be admitted due to impaction will be redirected to another CSU campus and offered admission for the same term. In order to qualify for the priority admission guarantee, transfer applicants must be conferred an approved Associate Degree for Transfer (AA- T/AS-T) by a California Community College, must apply for admission to California State University campuses for an open term by the published deadline, submit all requested transcripts and documents, meet CSU admission eligibility requirements for the campus and/or program, and must comply with any other prescribed admission requirements. It is the responsibility of these transfer students to provide documentation about the completion of the degree to each CSU campus that has received an application for admission.

PROVISIONAL ADMISSION

Cal Maritime may provisionally or conditionally admit transfer applicants based on their academic preparation and courses planned for completion. The campus will monitor the final terms to ensure that those admitted complete all required courses satisfactorily. All accepted applicants are required to submit an official transcript of all college level work completed. Campuses may rescind admission for any student who is found to be ineligible after the final transcript has been evaluated. In no case may such documents be received and validated by the University any later than a student's registration for their second term of CSU enrollment.

TEST REQUIREMENTS

Freshman and transfer applicants who have fewer than 60 semester or 90 quarter units of transferable college credit are strongly encouraged to submit scores, unless exempt (see "Eligibility Index"), from either the ACT or the SAT of the College Board. Persons who apply to an impacted program may be required to submit test scores and should take the test no later than November or December. Test scores also are used for advising and placement purposes. Registration forms and dates for the SAT or ACT are available from school or college counselors or from a CSU campus testing office. Or students may contact:

The College Board (SAT) Registration Unit
Box 6200
Princeton, New Jersey 08541-6200
(609) 771-7588
www.collegeboard.org

ACT Registration Unit
P.O. Box 414
Iowa City, Iowa 52240
(319) 337-1270
www.act.org

ENGLISH LANGUAGE REQUIREMENT

All undergraduate applicants whose native language is not English, and who have not attended schools at the secondary level or above for at least three years full time where English is the principal language of instruction, must present a score of 61-INTERNET/500-PAPER or above on the Test of English as a Foreign Language (TOEFL). Some majors may require a score higher than 61-INTERNET/500-PAPER; or, a score of 6.0 or above on the International English Language Testing System (IELTS). Some majors and some campuses may require a higher score. A few campuses may also use alternative methods of assessing English fluency: Pearson Test of English Academic (PTE Academic), and the International Test of English Proficiency (ITEP). Each campus will post the tests it accepts on its website and will notify students after they apply about the tests it accepts and when to submit scores. Please see the Office of Admission website for current information.

ASSESSMENT OF ACADEMIC PREPRATION

The California Sate University requires all admitted first-year freshmen to demonstrate academic preparation for general education (GE) written communicationand mathematics/quantitative reasoning thourhg approved mulitple measures, which utilize a broad set of qualifiers including standardized test scores, high school cumulative and math GPAs and completion of approved college preparatory coursework and some combinations thereof. Though not a condition for admission, these evaluative measures determine the best first-year course placement for entering sutdents and identify students requiring additional development and support.

Successful completion of (GE) written communication and math/quantitative reasoning courses in the first year of CSU enrollment establishes a foundation for continuous learning. Freshmen shall enroll in these courses appropirate to each student's major and skill level, as demonstrated by applicable system-wide standards utilized in the review of academic preparation (unless otherwise fulfilled, in which case students will advance to their next-level English and/or Math course as determined by their major).

Students identified as requiring additional development (as determined by approved multiple measures) shal enroll in appropriate college-level, baccalaureate credit-bearing courses with embedded supportive instruction to facilitate skills development. Supportive course models may include, among others, co-requisite approaches, supplemental instruction, or year-long "stretch" formats that extend a course beyong one academic term. In these approaches, instructional content considered pre-baccalaureate may carry a maxium of one unit if offered concurrently with a college-level, baccalaureate credit-bearing course.

MULTIPLE MEASURES ASSESSMENT FOR GENERAL EDUCATION COURSES

Freshmen shall enroll in appropriate general education (GE) written communication and math/quantitative reasoning courses during their first academic year (unless otherwise fulfilled) based on the following system-wide GE course placement standards.

PLACEMENT IN GE ENGLISH, AREA A2 WRITTEN COMMUNICATION (ALL MAJORS)

Fulfilled GE English Requirement: Enroll in the next English course per your major requirement if you satisfy at least one of the following:

- Advanced Placement (AP) test score of 3+ for AP Composition and Literature *OR* AP Language and Composition
- College transfer coursework (minimum C-) satisfying CSU GE area A2 written communication requirement

Enroll in GE English Course: Enroll in GE A2 written communication course if you satisfy at least one of the following:

- CAASPP Smarter Balanced Summative Assessment result of "Standard Exceeded" (Level 4) for English/Language Arts
- CAASPP Smarter Balanced Summative Assessment result of "Standard Met" (Level 3) for English/Language Arts *AND* completed 12th grade approved year-long English course* (minimum C-)
- ACT English Test score of 22+
- ACT English Test score of 19-21 *AND* completed 12th grade approved year-long English course* (minimum C-)

- SAT Evidence-Based Reading & Writing Test score of 550+
- SAT Evidence-Based Reading & Writing Test score of 510-540 *AND* completed 12th grade approved year-long English course* (minimum C-)
- Weighted cumulative high school GPA greater than or equal to 3.3
- Weighted cumulative high school GPA of 3.0 *AND* completed 12th grade approved year-long English course* (minimum C-)
- Weighted cumulative high school GPA of 3.0 *AND* completed 5+ years of high school English
- Weighted cumulative high school GPA of 3.0 *AND* completed Honors English course

Enroll in Supported GE English Course: Enroll in a supported GE area A2 written communication course if you satisfy at least one of the following:

- ACT English Test score of 19-21 *AND* completed four years of standard high school English
- SAT English Test score of 510-540 *AND* completed four years of standard high school English
- Weighted cumulative high school GPA greater than or equal to 3.0 *AND* completed four years of standard high school English

Enroll in Supported GE English Course (Early Start Required): Enroll in a supported GE area A2 written communication course if you do not satisfy any above criteria (only CA residents required to participate in Early Start Program)

***12th grade approved year-long English courses:** AP English, CSU Expository Reading & Writing Course, Weighted Honors English

PLACEMENT IN GE MATH, AREA B4 MATH/QUANTITATIVE REASONING (STEM MAJORS)

Fulfilled GE Math Requirement: Enroll in the next math/quantitative reasoning course per your major requirement if you satisfy at least one of the following:

- Advanced Placement (AP) test score of 3+ for AP Calculus AB/BC, AP Computer Science Principles, *OR* AP Statistics
- International Baccalaureate (IB) test score of 4+ on Math Higher Level (HL)

- College Level Examination Program (CLEP) score of 50+ for Calculus, College Algebra, College Algebra-Trigonometry, Pre-Calculus, *OR* Trigonometry
- College transfer coursework (minimum C-) satisfying CSU GE area B4 math/quantitative reasoning requirement

Enroll in GE Math Course: Enroll in GE B4 math/quantitative reasoning course if you satisfy at least one of the following:

- CAASPP Smarter Balanced Summative Assessment result of "Standard Exceeded" (Level 4) for mathematics
- CAASPP Smarter Balanced Summative Assessment result of "Standard Met" (Level 3) for mathematics *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- ACT Math Test score of 23+
- ACT Math Test score of 20-22 *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- SAT Math Test score of 570+
- SAT Math Test score of 550+ on Subject Test in Math Level 1 or 2
- SAT Math Test score of 520-560 *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- Weighted cumulative high school GPA of ³3.7
- Weighted math GPA of 3.5 *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- Weighted math GPA greater than or equal to 3.5 *AND* completed 5+ years of math/quantitative reasoning

Enroll in Supported GE Math Course: Enroll in a supported GE area B4 math/quantitative reasoning course if you satisfy the following:

- Weighted math GPA greater than or equal to 3.3 (no additional preparation)

Enroll in Supported GE Math Course (Early Start Required): Enroll in a supported GE area B4 math/quantitative reasoning course if you do not satisfy any above criteria (only CA residents required to participate in Early Start Program)

PLACEMENT IN GE MATH, AREA B4 MATH/QUANTITATIVE REASONING (NON-STEM MAJORS)

Fulfilled GE Math Requirement: Enroll in the next math/quantitative reasoning course per your major requirement if you satisfy at least one of the following:

- Advanced Placement (AP) test score of 3+ for AP Calculus AB/BC, AP Computer Science Principles, *OR* AP Statistics
- International Baccalaureate (IB) test score of 4+ on Math Higher Level (HL)
- College Level Examination Program (CLEP) score of 50+ for Calculus, College Algebra, College Algebra-Trigonometry, Pre-Calculus, *OR* Trigonometry
- College transfer coursework (minimum C-) satisfying CSU GE area B4 math/quantitative reasoning requirement

Enroll in GE Math Course: Enroll in GE B4 math/quantitative reasoning course if you satisfy at least one of the following:

- CAASPP Smarter Balanced Summative Assessment result of "Standard Exceeded" (Level 4) for mathematics
- CAASPP Smarter Balanced Summative Assessment result of "Standard Met" (Level 3) for mathematics *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- CAASPP Smarter Balanced Summative Assessment result of "Standard Met" (Level 3) for mathematics *AND* completed 4+ years of high school math/quantitative reasoning
- ACT Math Test score of 23+
- ACT Math Test score of 20-22 *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- SAT Math Test score of 570+
- SAT Math Test score of 550+ on Subject Test in Math Level 1 or 2
- SAT Math Test score of 520-560 *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- Weighted cumulative high school GPA greater than or equal to 3.7
- Weighted cumulative high school GPA of 3.5 *AND* completed 4+ years of math/quantitative reasoning
- Weighted math GPA greater than or equal to 3.0 *AND* completed 12th grade approved year-long math course beyond Algebra II (minimum C-)
- Weighted math GPA greater than or equal to3.0 *AND* completed 5+ years of math/quantitative reasoning

Enroll in Supported GE Math Course: Enroll in a supported GE area B4 math/quantitative reasoning course if you satisfy at least one of the following:

- Weighted math GPA greater than or equal to 3.3 (no additional preparation)
- Weighted math GPA greater than or equal to3.0 (no additional preparation)

Enroll in Supported GE Math Course (Early Start Required): Enroll in a supported GE area B4 math/quantitative reasoning course if you do not satisfy any above criteria (only CA residents required to participate in Early Start Program)

CSU EARLY START

CSU Early Start provides skill development opportunities for admitted students not yet demonstrating requisite English and math proficiency for placement into unsupported GE written communication and math/quantitative reasoning courses. The program affords students opportunities to improve reading, writing, and reasoning skills necessary for successfully completing their degree programs. Students required to participate (as determine through approved multiple measures) may register for in-person, online, or hybrid classes at any California State University campus for English and/or math during the summer prior to their first fall semester at a CSU campus. Earned baccalaureate credit will transfer to the student's destination campus.

ADULT STUDENTS

As an alternative to regular admission criteria for non-impacted programs, an applicant who is 25 years of age or older may be considered for admission as an adult student if he or she meets all of the following conditions:

1. Possesses a high school diploma (or has established equivalence through either the General Educational Development or California High School Proficiency Examinations)
2. Has not been enrolled in college as a full-time student for more than one term during the past five years
3. If there has been any college attendance in the last five years, has earned a 2.00 GPA or better in all college work attempted

Consideration will be based upon a judgment as to whether the applicant is as likely to succeed as a regularly admitted freshman or transfer student and will include an assessment of basic skills in the English language and mathematical computation.

GRADUATION REQUIREMENT IN WRITING PROFICIENCY

All students must demonstrate competency in writing skills as a requirement for graduation. Information on currently available ways to meet this graduation requirement may be obtained from Dr. Amy Parsons.

RETURNING STUDENTS

Students who were previously enrolled and are now requesting to return to Cal Maritime are required to submit an Application for Re-entry/Readmission. Additional documents and an application fee may be required before your application can be reviewed. Please visit the Office of the Registrar for details.

An academically disqualified student may seek readmission to Cal Maritime, but not before one full semester has passed. Complete information on the readmission process may be found on the Registrar's Office website. Application for readmission must be completed in full no later than November 1 for readmission to the spring semester, and May 1 for readmission for the fall semester. Any student out of attendance for more than 2 consecutive semesters must apply for readmission.

In no case will an academically disqualified student be allowed to participate in the annual Training Cruise, Commercial Cruise, or Co-ops.

In addition, students disqualified for a third failure of a course must successfully complete the course prior to readmission. Academically disqualified students may elect to enroll at Cal Maritime through Open University to register for courses in which grades of D, F, IC, or WU were earned.

Students readmitted after academic disqualification will be admitted under current requirements for graduation, unless they have remained in 'continuous attendance' at another accredited college for at least one semester (or two quarters) per academic year.

Students readmitted after academic disqualification will continue on probation, unless they have been able to raise their overall cumulative GPA above 2.00 through Open University or another accredited college. Students readmitted on academic probation must adhere to the terms of academic probation as described earlier.

INTERNATIONAL (FOREIGN) STUDENT ADMISSION REQUIREMENTS

The CSU must assess the academic preparation of foreign students. For this purpose, "foreign students" include those who hold U.S. temporary visas as students, exchange visitors, or in other non-immigrant classifications. The CSU uses separate requirements and application filing dates in the admission of "foreign students". Verification of English proficiency (see the section on the English Language Requirement for undergraduate applicants), financial resources, and academic performance are each important considerations for admission. Academic records from foreign institutions must be on file prior to the first term and, if not in English, must be accompanied by certified English translations.

INTRASYSTEM AND INTERSYSTEM ENROLLMENT PROGRAMS

Fully matriculated students enrolled at any CSU campus have access to courses at other CSU campuses on a space available basis unless those campuses/programs are impacted. This access is offered without students being required to be formally admitted to the host campus and in most cases without paying additional fees. Students should consult their home campus academic advisors to determine how such courses may apply to their specific degree programs before enrolling at the host campus.

There are two programs for enrollment within the CSU and one for enrollment between CSU and the University of California or California Community Colleges. Additional information about these programs is available from the Office of the Registrar.

CSU Fully Online Courses - Matriculated students in good standing may request enrollment in one course per term, offered by a CSU host campus. Enrollment requests will be granted based on available space, as well as completion of any stated prerequisites. Credit earned at the host campus is electronically reported to the student's home campus to be included on the student's transcript at the home campus.

CSU Visitor Enrollment - Matriculated students in good standing enrolled at one CSU campus may enroll at another CSU campus for one term. Credit earned at the host campus is reported at the student's request to the home campus to be included on the student's transcript at the home campus.

Intersystem Cross Enrollment - Matriculated CSU, UC, or community college students may enroll on a "space available" basis for one course per term at another CSU, UC, or community college and request that a transcript of record be sent to the home campus.

CSU IMMUNIZATION REQUIREMENTS

Entering CSU students are required to present proof of the following immunizations to the CSU campus they will be attending before the beginning of their first term of enrollment.

Measles and Rubella: All new and readmitted students must provide proof of full immunization against measles and rubella prior to enrollment.

Hepatitis B: All new students who will be 18 years of age or younger at the start of their first term at a CSU campus must provide proof of full immunization against Hepatitis B before enrolling. Full immunization against Hepatitis B consists of three timed doses of vaccine over a minimum 4 to 6 months period. If you need further details or have special circumstances, please consult Student Health Services.

Meningococcal Disease Information: Each incoming freshman who will be residing in on-campus housing will be required to return a form indicating that they have received information about meningococcal disease and the availability of the vaccine to prevent contracting the disease and indicating whether or not the student has chosen to receive the vaccination.

The immunization requirements are not admission requirements, but are required of students as conditions of enrollment in CSU.

Note: The CSU anticipates a policy change to the immunization requirements for the 2018-2019 academic year.

RESERVATION

The University reserves the right to select its students and deny admission to the University or any of its programs as the University, in its sole discretion, determines appropriate based on an applicant's suitability and the best interests of the University.

EVALUATION OF ACADEMIC RECORDS

ADVANCED PLACEMENT

Cal Maritime grants credit toward its undergraduate degrees for successful completion of examinations of the Advanced Placement Program of the College Board. Students who present scores of three or better will be granted up to six semester units (nine quarter units) of college credit. The chart below outlines scores needed for specific Cal Maritime credit.

College Board Advanced Placement Courses (AP)	Passing Score	Minimum Semester Credits Earned[1]	Cal Maritime Equivalency	Semester Credits Toward GE Breadth Certification	American Institutions and/or GE Breadth Area[2]
AP Art History	3	6	n/a	3	C1 or C2
AP Biology	3	6	n/a	4	B2+B3
AP Calculus AB[4]	3	3	MTH 210	3	B4
AP Calculus BC[4]	3	6	MTH 210 & MTH 211	3	B4
AP Calculus BC/AB Subscore[4]	3	3	MTH 210 & MTH 211	3	B4
AP Chemistry	3	6	CHE 110/110L	4	B1+B3
AP Chinese Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Comparative Government & Politics	3	3	GMA 215	3	D8
AP Computer Science A[4]	3	3	n/a	0	n/a
AP Computer Science AB[4]	3	6	n/a	0	n/a
AP Computer Science Principles[4]	3	6	n/a	0	n/a
AP English Language	3	6	EGL 100	3	A2
AP English Literature	3	6	EGL 100	6	A2+C2
AP Environmental Science[5]	3	4	n/a	4	B1+B3
AP European History	3	6	n/a	3	C2 or D6
AP French Language and Culture	3	6	Language Semester 1 and 2	3	C2

AP German Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Human Geography	3	3	n/a	3	D5
AP Italian Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Japanese Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Latin	3	3	Language Semester 1 and 2	3	C2
AP Macroeconomics	3	3	ECO 100	3	D
AP Microeconomics	3	3	ECO 101	3	D
AP Physics 1[6]	3	4	PHY 100/100L	3	B1+B3
AP Physics 2[6]	3	4	n/a	4	B1+B3
AP Physics C (electricity/magnetism)[6]	3	4	PHY 205	4	B1
AP Physics C (mechanics)[6]	3	4	PHY 200/200L	4	B1+B3
AP Psychology	3	3	n/a	3	D
AP Spanish Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Spanish Literature	3	6	n/a	3	C2
AP Statistics	3	3	MTH 107	3	B4
AP Studio Art - 2D	3	3	n/a	0	n/a
AP Studio Art - 3D	3	3	n/a	0	n/a
AP Studio Art - Drawing	3	3	n/a	0	n/a
AP U.S. Government & Politics	3	3	American Institutions II	3	D8+US-2
AP U.S. History	3	6	American Institutions I	3	(C2 or D6)+US-1
AP World History	3	6	n/a	3	C2 or D6

[1]These units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for Academic Affairs Coded Memo AA-2011-12 for details.

[2]Areas of GE Breadth (A1 through E) are defined in EO 1033. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 405, and at assist.org.

[4]If a student passes more than one AP exam in calculus or computer science, only one examination may be applied to the baccalaureate.

[5]Students who pass AP Environmental Science earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1+B3 or B2+B3 of GE Breadth. Fall of 2009 or later, those credits may only apply to B1+B3.

[6]If a student passes more than one AP exam in physics, only six units of credit may be applied to the baccalaureate, and only four units of credit may be applied to a certification in GE Breadth.

INTERNATIONAL BACCALAUREATE (IB) EXAMS

International Baccalaureate (IB)	Passing Score	Minimum Semester Credits Earned[1]	Cal Maritime Equivalency	Semester Credits Toward GE Breadth Certification	American Institutions and/or GE Breadth Area[2]
IB Biology HL	5	6	n/a	3	B2
IB Chemistry HL	5	6	CHE 110	3	B1
IB Economics HL	5	6	n/a	3	D
IB Geography HL	5	6	n/a	3	D
IB History (any region) HL	5	6	n/a	3	C2 or D
IB Language A[1] (any language) HL	4	6	n/a	3	C2
IB Language A[2] (any language) HL	4	6	n/a	3	C2
IB Language B (any language) HL[8]	4	6	n/a	0	n/a
IB Mathematics HL	4	6	n/a	3	B4
IB Physics HL	5	6	n/a	3	B1
IB Psychology HL	5	3	n/a	3	D
IB Theatre HL	4	6	n/a	3	C1

*These units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for details.

**Areas of GE Breadth (A1 through E) are defined in EO 1100. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 1061, and at assist.org.

***The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for nonnatives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.

CREDIT BY EXAMINATION

Students may challenge courses by taking examinations developed at Cal Maritime. Credit shall be awarded to those who pass them successfully. Please visit the Student Forms & Resources page to access the **Course Challenge** form.

In addition, students may receive credit for College-Level Examination Program (CLEP) tests, as outlined below.

COLLEGE-LEVEL EXAMINATION PROGRAM (CLEP) TESTS

College-Level Examination Program (CLEP)	Passing Score	Minimum Semester Credits Earned[1]	Cal Maritime Equivalency	Semester Credits Toward GE Breadth Certification	American Institutions and/or GE Breadth Area[2]
CLEP American Government	50	3	n/a	3	D
CLEP American Literature	50	3	n/a	3	C2
CLEP Analyzing and Interpreting Literature	50	3	n/a	3	C2
CLEP Biology	50	3	n/a	3	B2
CLEP Calculus	50	3	MTH 210	4	B4
CLEP Chemistry	50	3	CHE 110	3	B1
CLEP College Algebra	50	3	n/a	3	B4
CLEP College Algebra - Trigonometry	50	4	MTH 100	3	B4
CLEP English Composition (No Essay)	50	0	n/a	0	n/a

CLEP English Composition with Essay	50	0	n/a	0	n/a
CLEP English Literature	50	3	n/a	3	C2 (before F11)
CLEP Financial Accounting	50	3	n/a	0	n/a
CLEP French[1] Level I	50	6	Language Semester 1 and 2	0	n/a
CLEP French[1] Level II	59	9	Language Semester 1 and 2	3	C2
CLEP Freshman College Composition	50	0	n/a	0	n/a
CLEP German[1] Level I	50	6	Language Semester 1 and 2	0	n/a
CLEP German[1] Level II	60	9	Language Semester 1 and 2	3	C2
CLEP History, United States I	50	3	American Institutions I	3	D+US-1
CLEP History, United States II	50	3	American Institutions 1	3	D+US-1
CLEP Human Growth and Development	50	3	n/a	3	E
CLEP Humanities	50	3	n/a	3	C2
CLEP Information Systems and Computer Applications	50	3	COM 100	0	n/a
CLEP Introduction to Educational Psychology	50	3	n/a	0	n/a
CLEP Introductory Business Law	50	3	n/a	0	n/a
CLEP Introductory Psychology	50	3	n/a	3	D
CLEP Introductory Sociology	50	3	n/a	3	D
CLEP Natural Sciences	50	3	n/a	3	B1 or B2

CLEP Pre-Calculus	50	3	MTH 100	3	B4
CLEP Principles of Accounting	50	3	n/a	0	n/a
CLEP Principles of Macroeconomics	50	3	ECO 100	3	D
CLEP Principles of Management	50	3	n/a	0	n/a
CLEP Principles of Marketing	50	3	n/a	0	n/a
CLEP Principles of Microeconomics	50	3	ECO 101	3	D
CLEP Social Sciences and History	50	3	n/a	3	n/a
CLEP Spanish[1] Level I	50	6	Language Semester 1 and 2	0	n/a
CLEP Spanish[1] Level II	63	9	Language Semester 1 and 2	3	C2
CLEP Trigonometry	50	3	n/a	3	B4 (before F06)
CLEP Western Civilization I	50	3	n/a	3	C2 or D
CLEP Western Civilization II	50	3	n/a	3	D

*These units count toward eligibility for admission. The units may not all apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for details.

**Areas of GE Breadth (A1 through E) are defined in EO 1100. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 1061, and at assist.org.

[1]For CLEP tests in the same language other than English:

- Only one exam score may be applied towards the CSU degree.
- A passing score of 50 is considered "Level I" and earns six units of baccalaureate credit.
- A passing score higher than 50 is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth.

CREDIT FOR NON-COLLEGIATE INSTRUCTION

Cal Maritime grants undergraduate degree credit for successful completion of non-collegiate instruction, either military or civilian, appropriate to the baccalaureate degree, which has been recommended by the Commission on Educational Credit and Credentials of the American Council on Education. The numbers of units allowed are those recommended in the Guide to the Evaluation of Educational Experience in the Armed Services and the National Guide to Educational Credit for Training Programs.

CREDIT FOR PRIOR LEARNING

Cal Maritime does not grant credit for prior learning or work experience. The student may apply to challenge the appropriate course that parallels the prior learning or work experience. Please visit the Student Forms & Resources page to access the Course Challenge form.

APPEAL OF ADMISSION DECISION

Section 89030.7 of the California Education Code requires that the California State University establishes specific requirements for appeal procedures for a denial of admission. Each CSU campus must publish appeal procedures for applicants denied admission to the University. The procedure is limited to addressing campus decisions to deny an applicant admission to the University.

Admissions appeal procedures must address the basis for appeals, provide 15 business days for an applicant to submit an appeal, stipulate a maximum of one appeal per academic term, provide specific contact information for the individual or office to which the appeal should be submitted, and indicate a time estimate for when the campus expects to respond to an appeal. The appeal procedures must be included in all denial of admission notifications to students, and must also be published on the campus website.

Please visit the Cal Maritime Admission Decision Appeal Process page for further information.

Academic Regulations and Policies

Academic Awards and Honors

Cal Maritime recognizes matriculated students who have demonstrated academic excellence through the following programs:

President's List

The President's List is published at the end of every semester to honor those students who have earned the highest academic achievement. For the spring semester, grades are calculated based on the academic semester - cruise and co-op grades are not included in this calculation. The student must meet the following criteria:

- have a minimum semester GPA of 3.75
- have no grade lower than a C
- have a minimum of 12 graded units (excluding CR grades)
- have no incomplete grades

Dean's List

The Dean's List is published at the end of every semester to honor those students who have excelled academically. For the spring semester, grades are calculated based on the academic semester - cruise and co-op grades are not included in this calculation.

The student must meet the following criteria:

- have a minimum semester GPA of 3.25
- have no grade lower then a C
- have a minimum of 12 graded units (excluding CR grades)
- have no incomplete grades

Honors

At commencement, Cal Maritime recognizes academically-outstanding students who are receiving baccalaureate degrees with the distinction of academic honors. The honor is based on all academic degree work completed at Cal Maritime and indicates a high level of scholastic achievement:

- cum laude, 3.25-3.49 GPA
- magna cum laude, 3.50-3.74 GPA
- summa cum laude, 3.75-4.00 GPA

Academic Dishonesty

Policy Statement

Cal Maritime functions best when its community members treat one another with honesty, respect, and trust. Because the quality of our graduates depends on the ethics they display, faculty members are expected to act promptly on suspected cases of academic dishonesty. The following policy is controlled by the California Code of Regulations Title 5 § 41301.

Academic Dishonesty

Cheating and academic dishonesty include all student behaviors intended to gain unearned academic advantage or to interfere with another's academics by fraudulent or deceptive means.

Examples of inappropriate student conduct that can lead to the imposition of sanctions include, but are not limited to, the following (see Academic Senate Policy #547 Inappropriate Academic Conduct):

Taking Information

- copying graded homework assignments from another person
- unauthorized collaborative efforts on take home exams or graded homework
- looking at another student's paper during an examination
- unauthorized use of text materials or notes during an examination.

Providing Information

- giving one's work to another to be copied, paraphrased, or plagiarized
- giving answers to another student during an examination
- after having taken an examination, passing information concerning the examination on to students who still must take it
- providing a required writing assignment for another student
- taking an exam, writing a paper, or doing a project for another student

Plagiarizing

- unauthorized copying of all or parts of an article, paper, book, published work, or other proprietary source, including documents from the Internet, and submitting all or parts of the article or paper as one's own work, without proper citations or attribution
- submitting a paper acquired from a research or term paper service
- failing to give credit for ideas, statements of fact, or conclusions derived by another author
- failure to use quotation marks when quoting directly from another source, whether it is a paragraph, a sentence, or part thereof (except in some informal writing assignments, such as reading responses or reader's logs/journals, when the instructor has specified different guidelines)
- retyping a paper written by another and handing it in for credit
- submitting a paper from house files for credit
- claiming credit for artistic work done by someone else, such as a musical composition, painting, drawing, photo, sculpture, or design

Other Examples of Inappropriate Academic Conduct

- conspiring with one or more fellow students to engage in any form of academically dishonest conduct
- lying to an instructor to improve one's grade
- having another student take one's exam or do one's computer program or lab experiment
- Submitting a paper that is substantially the same for credit in two different courses without the approval of both instructors
- altering a graded exercise after it has been returned, then submitting the exercise for re-grading
- removing tests from any location without the instructor's approval
- stealing exams or other course materials from an instructor or his or her agent
- stealing or altering an instructor's grade book or other academic records
- using spell-check or grammar-check software on a writing assignment when expressly prohibited from doing so
- accessing, changing, or using any information or data from a computer system to gain academic advantage for yourself or any other student.

General Statement of Student Responsibility

The student has full responsibility for both the content of academic assignments submitted for evaluation and the integrity with which all academic work submitted for evaluation has been done. Ignorance of an express rule regarding inappropriate student conduct does not excuse one from adhering to appropriate ethical standards in the completion of academic assignments. When in doubt as to the appropriateness of any action, students are to ask their instructors for clarification and guidance.

Academic Process in Response to Inappropriate Student Academic Conduct

Charges of inappropriate student academic conduct can be brought to the Chair of the Committee on Academic Integrity by an instructor, a student, or any employee of Cal Maritime. This person, if other than the instructor-of-record, must first discuss the matter with that instructor. The resultant protocols follow the policy of the Academic Senate, with the burden of proof on the person(s) bringing the charge of academic dishonesty, and with the student entitled to a hearing. (see Academic Senate Policy #547 Inappropriate Academic Conduct).

Copies of all documents pertinent to the charge should be appended to the statement of the instructor or person bringing the charge.

Committee hearings are closed to all except Committee members, the charged student, the instructor, the person bringing the charge, and the charged student's advisor, witnesses, and other appropriate campus administrators.

Committee Findings

The Chair of the Committee on Academic Integrity will provide a written report of findings and recommendations to the Executive Dean of Academic Affairs. The Executive Dean will ensure procedures were followed in accordance with the policy and procedures, and forward the results to involved student(s), course instructor, the Department Chair, the Academic Dean, and the Student Conduct Administrator. The Chair of the Committee will also forward a copy of the Committee's findings to the Student Conduct Administrator. The Student Conduct Administrator is NOT to conduct separate or additional hearings on academic issues already adjudicated by the Committee on Academic Integrity. The Student Conduct Administrator may, however, initiate an inquiry and conduct hearings into whether the actions of individuals brought before the Committee on Academic Integrity also involve moral, ethical, leadership and character issues such as lying, stealing, breaking-and-entering, or other conduct unbecoming a student, and therefore also fall within the purview of the policies governing the Student Conduct Administrator.

Imposition of Sanctions

After verifying that the hearings were conducted in accordance with Cal Maritime policy, the Executive Dean of Academic Affairs will issue the letter to the involved student(s) setting forth the final disposition of the case and the terms of any disciplinary sanctions, with copies sent to the Chair of the Committee on Academic Integrity and the Student Conduct Administrator for inclusion in the student's file.

Student Rebuttal and Appeals

Within three work days of receipt of the Committee's findings, the charged student may submit a written rebuttal/comment to the Executive Dean of Academic Affairs to be included and considered with the Committee report. Within three work days of receipt of the letter from the Executive Dean of Academic Affairs stating the final disposition of the case, the student may appeal to the President. Appeals to the President must be in writing using the Appeals Petition Form available from the Student Conduct Administrator.

Sanction Guidelines

One or more of the following sanctions may be imposed upon any student whose conduct falls short of Cal Maritime's standards of academic integrity:

Probation

A period of time during which limitations on status may include, but are not limited to, loss of specified privileges with acknowledgment by the student that any additional breaches of academic integrity will result in additional, more severe sanctions being imposed.

Suspension

A mandated discontinuation of student status and temporary removal from Cal Maritime for a definite period of time.

Expulsion

A permanent, irrevocable termination of student status. Expulsion from one campus of the California State University extends to all other campuses within the system.

Denial of Admission or Readmission

Admission or readmission to Cal Maritime may be denied to any student found to have violated the provisions of Cal Maritime's policy on Inappropriate Student Academic Conduct (see California Code of Regulations, Title 5, Section 41303.

Good Standing

Imposition of a sanction or denial of (or qualification placed on) admission or readmission means that a student is not considered to be in **good standing** for purposes of admission to any campus of the California State University system, for the period during which sanctions apply (see California Code of Regulations, Title 5, Section 40601(g)).

Record of Discipline

All actions involving probation, suspension, or expulsion shall be made part of the student's permanent academic record.

Academic Standing

Students must maintain a cumulative GPA of 2.00 to be considered in good academic standing.(see section on Baccalaureate Degree Requirements for details). If students do not meet this standard, the following actions will ensue:

Academic Notice

If an enrolled student's cumulative GPA falls below 2.00, or if a student transfers into Cal Maritime with less than a 2.00 GPA from previous college coursework, the student will be placed on academic notice. Students on academic

notice must meet with their academic advisor to choose appropriate courses in which to enroll. Students will be dropped from classes if they fail to do so. Except in extraordinary cases, students shall enroll in a maximum of 15 semester credits.

To improve their GPA, students on academic notice are expected to repeat, within the term(s), specific courses in which grades of D, F, IC, WU or NC were previously earned.

Additionally, they are expected to complete a minimum of 12 units with no grades of F, and to earn a 2.00 semester GPA or raise their cumulative GPA above 2.00.

Students with a cumulative GPA below 2.00 will be allowed to continue on probation if their semester GPAs are at least 2.00, and they have completed 12 credits or more with no grades of IC, F or WU in any course taken. Students who fail to meet the above terms of academic notice will be academically disqmissed. Except in extraordinary circumstances, students on academic notice for the spring semester must meet the terms during the normal 15-week academic semester. Cruise or co-op grades at the end of the spring semester will not be used in the determination of a student's academic standing.

Academic Dismissal

After a semester of academic notice, a student's cumulative GPA is still below 2.00 and the terms are not met, the student will be academically dismissed. In addition, a student who has failed a course three times will be subject to academic dismissal. Students who have been academically dismissed will be notified by email as soon as this determination has been made. If a student feels there are extenuating circumstances that contributed to poor academic performance, an appeal must be made in writing to the Academic Dean (through the Registrar's Office), within 10 days of the notification, explaining these circumstances. Written appeals will be reviewed by the Academic Dean and the Department Chair within 10 working days of receipt.

Readmission

An academically dismissed student may seek readmission to Cal Maritime, but not before one full semester has passed. Complete information on the readmission process may be found on the Registrar's Office website. Application for readmission must be completed by the following deadlines:

Fall Semester - Due by August 1st

Spring Semester - Due by November 1st

Summer Semester - due by December 1st*

*(Students who plan to take an International Experience course must appyl by this deadline).

In no case will an academically dismissed student be allowed to participate in the annual Training Cruise, Commercial Cruise, or Co-ops.

In addition, students dismissed for a third failure of a course must successfully complete the course prior to readmission. Academically dismissed students may elect to enroll at Cal Maritime through Open University to register for courses in which grades of D, F, IC, or WU were earned.

Students readmitted after academic dismissal will be admitted under current requirements for graduation, unless they have remained in 'continuous attendance' at another accredited college for at least one semester (or two quarters) per academic year.

Students readmitted after academic dismissil will continue on academic notice, unless they have been able to raise their overall cumulative GPA above 2.00 through Open University or another accredited college. Students readmitted on academic notice must adhere to the terms as described earlier.

Administrative Academic Notice or Dismissal

A student may be placed on notice or may be dismissed by appropriate campus authorities for unsatisfactory scholastic progress regardless of cumulative GPA or progress points. Such actions shall be limited to those arising from repeated withdrawal, failure to progress toward an educational objective, and noncompliance with an academic requirement, and shall be consistent with guidelines issued by the Chancellor of the CSU.

The following reasons constitute grounds for being placed on administrative notice:

- withdrawal from all or a substantial portion of their courses in two successive terms or in any three terms
- repeated failure to progress toward a degree or other program objective, when such failure is due to circumstances within the control of the student
- failure to comply, after due notice, with an academic requirement or regulation that is routine for all students or a defined group of students

Students who do not meet the conditions for removal of administrative notice may be subject to further administrative actions, including administrative dismissal.

Academic Transcript Policy

Cal Maritime has partnered with the National Student Clearinghouse for collecting orders for transcripts. Transcripts are processed and mailed typically within 3-10 business days after the request is received at the Office of the Registrar. Visit the Registrar's Office website, and select 'Transcripts' to initiate an order.

Students and alumni may request that transcripts are not sent until grades are processed for the current semester, or the degree has been posted.

Transcript requests will be canceled for any student who has an outstanding obligation (e.g. financial holds) to Cal Maritime. Students will be informed of this cancellation and will be required to resubmit a new request once their outstanding obligations are resolved. Students' credit cards will not be charged for requests canceled for this reason.

For additional information, contact the Office of the Registrar at registrar@csum.edu or call 707-654-1203 between 8 am and 4 pm PST.

Adding and Dropping of Courses

Students may add or drop courses up to a specific deadline in each semester.

Adding a Course

During published registration periods, students may add a course to their schedule. Faculty approval may be required if course capacity has been reached or if students are requesting to be added from a waitlist.

Dropping a Course

During published registration periods, students may drop courses online with no grade recorded on their transcript. Students are responsible for attending all courses for which they have registered. Non-attendance does not constitute a drop or withdrawal.

Withdrawals

Withdrawals after the first two weeks of instruction and prior to the last three weeks of instruction may be allowed only for serious and compelling reasons (e.g. illness, accident, or death in the immediate family).

Students will be required to provide documentation or verification of their particular circumstances. Approval to withdraw from a course during this period must be granted by the course instructor, major Department Chair, and Academic Dean.

Students may withdraw from no more than 18 semester units.

If withdrawal is approved, a grade of W will be posted on the student's academic transcript, but it will not be used in calculating GPA or progress points. Students withdrawing without a serious and compelling reason may receive a grade of WU in the course. Appeals may be made to the Executive Dean of Academic Affairs.

Withdrawals shall not be permitted during the final three weeks of instruction except in cases, such as accident or serious illness, where the cause of withdrawal is due to circumstances clearly beyond the student's control, and the assignment of an Incomplete is not practical.

Change of Major

Students wishing to request a change of major are advised to refer to the guidelines on the Registrar's Office website. Students must be in good academic standing for this approval to be granted.

Additional Course Guidelines

Course Challenge

Students may receive credit for courses (grade: CR) by passing challenge examinations developed at Cal Maritime. The following rules apply:

- students must demonstrate substantial knowledge and background in the areas they are challenging
- approval must be obtained for each challenge from the instructor and department chair. Applications are available at the Registrar's Office
- the instructor must be presented with a receipt for the required fee, which must be paid prior to the challenge examination.
- a course may be challenged only once
- challenges will not be approved for courses in which any grade has been assigned, including F, IC, WU, or W.
- challenges will not be approved for courses in which a student is currently registered, or in a semester in which a student has dropped the course to be challenged
- challenges are not allowed in certain cases, such as the GWE Exam and certain STCW classes

Repetition of Courses

In accordance with CSU Executive Order No. 1037, it is the policy of Cal Maritime that students may repeat a course only if they earned grade lower than a C in that course. Up to 16 semester units may be repeated with 'grade forgiveness' wherein the new grade replaces the former grade for the purpose of the calculation of the student's GPA. Although no longer used in GPA calculations, the previous grade remains on the student's academic transcript.

Students may repeat an individual course with grade forgiveness no more than two times. Grade forgiveness shall not apply to courses for which the original grade was the result of a finding of academic dishonesty.

Cal Maritime will permit students to repeat an additional 12 semester units with 'grade averaging'. In such instances, the grade after repeating shall not replace the original grade for GPA calculations. Instead, both grades shall be calculated into the student's GPA.

A student who receives a grade of F, WU, or IC in a course for the third time while at Cal Maritime will be academically disqualified (see sections on academic standing and on readmission).

Students repeating a course at another accredited college are expected to adhere to Cal Maritime's course transfer requirements. When a course is repeated elsewhere, the student will be given course credit toward meeting graduation requirements, and the overall GPA will be affected. However, the Cal Maritime GPA will not be affected.

Credit for Work Experience

Cal Maritime does not grant credit for work experience. If a student has such knowledge, the student may apply to challenge the appropriate course that parallels the work experience.

Credit by Examination

Cal Maritime grants credit to those students who pass certain approved examinations. These include the Advanced Placement (AP) examination of the College Board, College-Level Examination Program (CLEP), International Baccalaureate (IB), and the CSU English Equivalency Examination (EEE).

Course Completion by Extension or Correspondence

Students may complete a total of 24 semester units by extension or correspondence to meet the baccalaureate degree requirements at Cal Maritime. Only extension or correspondence courses from accredited institutions are acceptable. The rules for course transfer apply.

Independent Study

An independent study course is substantial study above and beyond the regular offerings in the Cal Maritime academic catalog. One to three units of credit, determined prior to registration, will be granted for independent study. The student must arrange with a faculty member to be the student's independent study advisor. Grading is typically by letter grade, although the student may request a CR/NC grading basis. An approved application for Independent Study must be on file in the Registrar's Office by the end of the normal add period.

Individual Study

Individual study applies to any course listed in the Cal Maritime academic catalog but not offered in a particular semester. In very rare circumstances, a student may petition an instructor to offer a course that falls into this category.

The department chair and instructor must approve the individual study. An approved application for individual study must be on file in the Registrar's Office by the end of the normal add period.

Course Transfer and Academic Class Level

Course Transfer

The Records and Articulation Coordinator or designee will be responsible for approval of course transfer for continuing students. Appeals can be made to the Department Chair.

A student may take a course concurrently at another regionally accredited college if the course is established as equivalent and approval is made prior to enrollment. The student may be expected to provide a syllabus and other information about the equivalent course to initiate the approval. The equivalent course must carry credit equal to or greater than the course offered at Cal Maritime. The student must have an official transcript sent to the Registrar's Office upon completion of the course, regardless of the grade earned.

Units and grades earned in transferable courses completed at other colleges are not used in calculating the campus GPA but are included in the student's overall GPA.

Academic Level

Students are classified according to the number of overall units of baccalaureate-level course work completed (all college-level work, including that at Cal Maritime) for purposes of financial aid determination. Academic level distinctions are not applicable to watchstanding, priority registration, housing, graduation, or corps standing.

Academic level is calculated as follows:

Freshman	0-29.5 units
Sophomore	30-59.5 units
Junior	60-89.5 units
Senior	90 or more units

Credit Hour

The CSU defines a credit hour as an amount of work represented in stated learning outcomes and verified by evidence of student achievement. Such evidence is an institutionally established equivalency that:

Approximates not less than:

One hour of direct faculty instruction and a minimum of two hours of out-of-class student work each week for approximately 15 weeks for one semester or trimester hour of credit (or 10 to 12 weeks for one quarter hour of credit) or the equivalent amount of work over a different amount of time; or

At least an equivalent amount of work as required in paragraph 1.a. of this definition for other academic activities as established by the institution including laboratory work, internships, practica, studio work and other academic work leading to the award of credit hours; and

Permits an institution, in determining the amount of work associated with a credit hour, to take into account a variety of delivery methods, measurements of student work, academic calendars, disciplines and degree levels. Institutions have the flexibility to award a greater number of credits for courses that require more student work.

Faculty Advisors

Faculty advising is necessary for academic success. Students must consult with their advisors in any of the following cases:

- registering for courses
- adding courses
- taking an overload
- having been placed on academic probation

Grading System

The quality of a student's work is measured by a system of grades utilizing the traditional A-F grading system. The following grades will be used in evaluating student performance, including appropriate participation in the learning experiences as well as in formal testing.

Letter Grades

Letter Scale	Definition
A+, A, A	Performance has been of the highest level, showing sustained excellence.
B+, B, B-	Performance has been good.
C+, C, C	Performance has been adequate, satisfactorily meeting the course requirements.
D+, D, D-	Performance has been less than satisfactory.
F	Performance has been poor, such that course requirements have not been met.poor, such that course requirements have not been met.
WU	Withdrawal Unauthorized. Equivalent to an "F" (see Grade Explanations).
IC	Incomplete Charged. Equivalent to an "F" (see Grade Explanations)
W	Withdrawal. Student may withdraw from no more than 18 semester units (see Grade Explanations).

CR	Credit. A credit grade equates to a grade of "C" or higher (see Grade Explanations); also used for course challenges.
NC	No Credit. A no credit grade equates to a grade below "C" (see Grade Explanations).
AU	Audit. An AU earns neither academic nor degree credit (see Grade Explanations).
I	Incomplete. Course must be completed by the sixth week of the following semester (may be extended in extraordinary cases) (see Grade Explanations).
RD	Report delayed.

Grade Explanations

- **Withdrawal Unauthorized:** The "WU" grade indicates that an enrolled student did not withdraw from the course prior to the established deadline, and also failed to complete course requirements. It is used when, in the opinion of the instructor, completed assignments or course activities were insufficient to make normal evaluation of academic performance possible. For purposes of GPA and progress point computations, this grade is equivalent to an "F". It is the student's responsibility to formally withdraw from a course for which they have registered but have never attended or have stopped attending.
- **Credit/No Credit courses in general:** Some courses are offered only on a CR/NC basis. Grades of credit or no credit are neutral to the calculation of the student's GPA even if the final grade is "NC".
- **Credit/No Credit courses required for graduation:** Some courses required for graduation are offered only on a credit/no credit basis. If the student's grade in these classes is "NC", the course must be repeated until the "CR" grade is earned.
- **Credit/No Credit option:** A CR/NC grade option may be selected by the student in courses for which the A-F system is the norm. But no course that is necessary to fulfill a student's graduation requirement may be taken on a CR/NC basis except as described above.
- The following rules apply when a student selects a CR/NC grading option when the course is not normally offered on that basis:
    - the student must submit an application to the Registrar's Office, which must be approved by the course instructor and the student's department chair
    - the deadline for applying for CR/NC grading is the fifth day of the applicable semester
    - once the application for CR/NC grading has been made, the student may not change the grading option for that course
    - CR/NC is not used in the computation of the student's semester or cumulative grade point average. An application for the credit/no credit grading option can be obtained in the Registrar's Office.
    - In the case of remedial courses (EGL 001 Introduction to Composition, EGL 105 English as a Second Language, and MTH 001 Intermediate Algebra), the grade awarded must be on an A, B, C, NC basis. If a student receives a grade lower than a C, a grade of NC will automatically be awarded. Remedial courses carry units of credit that apply to the student's unit loads for a given semester but do not apply toward graduation requirements.
- **Audit option:** An auditor is a student who enrolls in a course for informational purposes only. A student must petition the Registrar's Office to audit a class. Enrollment as an auditor is subject to permission of the instructor. Enrollment of auditors shall be permitted only after students otherwise eligible to enroll on a credit basis have had an opportunity to do so. Auditors are subject to the same fee structure as credit students and regular class attendance is expected. However, examinations and assignments are not mandatory.

Once enrolled as an auditor, a student may not change to credit status unless such a change is requested before the last day to add classes in that term. Likewise, a student who is enrolled for credit may not change to an

auditor after the last day to add classes. An AU grade for the audited course will appear on the student's transcript. An AU earns neither academic nor degree credit.

- **Incomplete:** The grade "I" indicates that a portion of required course work has not been completed and evaluated in the prescribed time period due to unforeseen, but fully justified, reasons and that there is still a possibility of earning credit. It is the responsibility of the student to bring pertinent information to the attention of the instructor and to determine from the instructor the remaining course requirements which must be satisfied to remove the I grade. A final grade is assigned when the work agreed upon has been completed and evaluated.

An "I" grade must normally be made up by the end of the sixth week of the next academic semester unless the student requests an extension from the instructor. This limitation prevails whether or not the student maintains continuous enrollment. Failure to complete the assigned work will result in an "I" being converted to an "IC" grade (which is equivalent to an "F").

An Incomplete shall be converted to the appropriate grade or symbol within one year following the end of the term during which it was assigned. Where campus policy requires assignment of final grades on the basis of numerous demonstrations of competency by the student, it may be appropriate for a faculty member to submit a letter grade to be assigned in the event the Incomplete is not made up within one year. If the Incomplete is not converted within the prescribed time limit, it shall be counted as a failing grade in calculating grade point average and progress points unless the faculty member has assigned a grade in accordance with campus policy.

- **Incomplete Charged:** This limitation prevails whether or not the student maintains continuous enrollment. Failure to complete the assigned work will result in an "I" being converted to an "IC" symbol, unless the faculty member assigns a specific letter grade at the time the Incomplete is assigned, which would replace the "I" in the student's record at the end of the calendar year deadline. If the Incomplete is not converted within the prescribed time limit, it shall be counted as a failing grade (if the course was registered as a graded course) in calculating grade point average and progress points unless the faculty member has assigned a grade in accordance with campus policy. If the course was registered as CR/NC, a "NC" will be assigned as the final grade.
- **Withdrawal:** The grade "W" indicates that the student was permitted to withdraw from the course after the fourth week of instruction with the approval of the instructor and of the appropriate campus officials. It carries no connotation of quality of student performance and is not used in calculating the student's GPA or progress points. Students may withdraw from no more than 18 semester units.

Grade Point Average Computation

Grade point averages are determined by dividing the total number of weighted grade points earned in the semester by the total number of graded units attempted in the semester. A weighted grade point is determined by multiplying the grade points earned in the course by the number of units in the course. The following grade points are assigned for each equivalent letter grade:

A,A+=4.0	B-=2.7	D+=1.3
A- =3.7	C+=2.3	D=1.0
B+ =3.3	C =2.0	D-=0.7
B =3.0	C-=1.7	F/WU/IC = 0.0

Units

A semester unit at Cal Maritime assumes a one-hour class per week class for a period of 15 weeks. It is the standard quantity used for measurement of college and university work.

- **Lecture:** One unit equals one hour of classroom work per week in most classes, predominately those of the lecture or lecture-discussion format. It is generally assumed that a student spends two hours of outside preparation for each hour spent in such classes.
- **Laboratory:** In laboratories, there are two or three hours a week for each unit, depending on outside lab preparation. In specialized training and performance courses, such as sea training, ship operations, and intercollegiate athletics, there are more than three hours per week required per unit.

Miscellaneous Academic Policies

Normal Course Load

Twelve (12) to twenty (20) units constitute a normal course load at Cal Maritime. A student wishing to enroll in more than 20 units (15 units when on academic probation) must have the approval of his or her academic advisor and department chair. A student receiving financial aid must take at least 12 units during the fall or spring semester to be considered a full time student.

Registration Procedures

The Office of the Registrar handles all forms, procedures, and deadlines for registration. Registration for the fall normally occurs in the middle of the previous spring semester, registration for the spring/cruise semester occurs in the middle of the previous fall, and registration for the summer occurs during the spring semester.

All students must see their academic advisor prior to registration. Students are not permitted to attend any classes for which they are not formally registered.

Priority registration is offered to currently enrolled students by class, based on date of entry. Registration typically extends over a two-week period. Currently enrolled students not registering by the end of the registration period are subject to a $100 late fee and will be prevented from registering until the first day of the semester.

Incoming freshmen, and students accepted for readmission, register in a separate timeframe and after currently enrolled students have registered.

Classroom Attendance

Students are expected to attend all classes unless an absence is properly authorized. It is up to the course instructor to establish an appropriate attendance policy, except for those courses that have outside agency requirements -- STCW-approved courses. Students failing to adhere to the attendance requirements established by the course instructor or Cal Maritime may be dropped from the class.

Grade Change Procedures

AA-03-020 - Student Originated Request for Change of Grade outlines the procedures and instructions to be followed should a student wish to challenge the appropriateness of a grade assigned for a specific course. A student must present the completed Student Originated Request for Change of Grade form to the Chair of the Committee on Academic Integrity within the first six weeks of the term following the term in which the grade in question was assigned.

Students Called to Public Service

Students called to or engaged in public service for reasons beyond their control will not lose registration priority, academic credit, fees, or degree status. Such activities may include military service, fire fighting, public security, or the like. To accommodate students, Cal Maritime will accept withdrawals under such circumstances at any point throughout the semester.

Students may be granted an extended leave of absence for up to two years for engagement in public service beyond their control. If currently enrolled, they must complete a leave of absence form with the Registrar's Office. An approved leave will ensure that they retain their catalog rights and that they can register for subsequent terms without reapplying for admission.

The federal government determines student loan grace and deferment provisions based on the circumstances of involvement in a particular public service. Should the federal government modify its regulations governing various loan programs, Cal Maritime will adopt those modifications for its students.

Withdrawal from School

Students wishing to withdraw from Cal Maritime within the first two weeks of instruction may do so by completing the required paperwork in the Registrar's Office. No grade for the semester of withdrawal will be recorded on the student's transcript.

Students having a serious and compelling reason to withdraw after the first two weeks of instruction may do so without penalty. Approval to withdraw during this period must be granted by the student's course instructors, major Department Chair, and Academic Dean. If a petition is approved, a grade of W will be posted on the student's academic transcript. Students who have been granted such approval to withdraw must still follow all established procedures for formal withdrawal from Cal Maritime.

Students withdrawing after the first two weeks of instruction without a serious and compelling reason may receive a grade of WU in all classes.

Withdrawal from school with a grade of W during the final three weeks of instruction is permitted only when the cause of the withdrawal is clearly beyond the student's control and assignment of an I (Incomplete) is not practical.

Students may either request a leave of absence for up to one year or withdraw if their return within one year is not anticipated. They are responsible for notifying the Registrar's Office during the semester or during any break if they do not plan to return to school for the upcoming semester.

Academic Renewal

A maximum of one academic year of coursework with unsatisfactory grades may be excluded from credit and grade point consideration if course repetition is inappropriate (e.g. the major has changed, or the courses are not offered at Cal Maritime).

Removal of previous work from degree consideration under the above circumstances is subject to the all of the following provisions:

- the student has requested the action formally and has presented evidence that the work completed in the term(s) under consideration is substandard and not representative of present scholastic ability and level of performance
- at least five calendar years must have elapsed since the course work was attempted

- from when the most recent work to be disregarded was completed, the student has subsequently completed, at the campus, 15 semester units with at least a 3.0 GPA; 30 semester units with at least a 2.5 GPA; or 45 semester units with at least a 2.0 GPA
- the student provides evidence that past performance was due to extenuating circumstances and that additional enrollment would be necessary to qualify for a degree if the request were not approved
- when such action is taken, the student's permanent academic record shall be annotated so that it is evident that NO work taken during the disregarded term(s), even if satisfactory, may apply toward baccalaureate requirements. However, all work must remain legible on the record to ensure a true and complete academic history

Graduate Information

Graduate and Post-Baccalaureate Admission Requirements

- Graduate and Post-Baccalaureate Admission Requirements
- Graduate Student Admission Requirements
- International (Foreign) Student Admission Requirements
- Fees and Payment Schedule
- Returning Students
- Continuous Enrollment
- Eligibility for a Master's Degree
- Use of Social Security Number
- Graduate - Post-Baccalaureate English Language Requirement
- Admission Application
- Program Policies and Expectations
- Enrollment in the Capstone Course
- Standard of Integrity and Civility
- Commencement Participation

Requirements for admission to California State University Maritime Academy are in accordance with Title 5, Chapter 1, Subchapter 3, of the California Code of Regulations. Complete information is available at the Cal State Apply website.

GRADUATE AND POST-BACCALAUREATE ADMISSION REQUIREMENTS

Admission Requirements

Graduate and post-baccalaureate applicants may apply for a degree objective, a credential or certificate objective, or where approved, may have no program objective. Depending on the objective, the CSU will consider an application for admission as follows:

- General Requirements - The minimum requirements for admission to graduate and post- baccalaureate studies at a CSU are in accordance with university regulations as well as Title 5, Chapter 1, Subchapter 3 of the California Code of Regulations.
- Specifically, a student shall at the time of enrollment:
    1. Have completed a four-year college course of study and hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association, or shall have completed equivalent academic preparation as determined by appropriate university authorities;
    2. Be in good academic standing at the last college or university attended;

3. Have earned a grade point average of at least 2.5 on the last degree completed by the candidate or have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted; and
4. Satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as appropriate university authorities may prescribe. In unusual circumstances, a university may make exceptions to these criteria.

- Students who meet the minimum requirements for graduate and post-baccalaureate studies may be considered for admission in one of the four following categories:
    1. Graduate Classified - To pursue a graduate degree, applicants are required to fulfill all of the professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the university; or
    2. Graduate Conditionally Classified - Applicants may be admitted to a graduate degree program in this category if, in the opinion of appropriate university authority, deficiencies may be remedied by additional preparation; or
    3. Post-Baccalaureate Classified (e.g. admission to an education credential program) - Persons wishing to enroll in a credential or certificate program will be required to satisfy additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the university; or
    4. Post-Baccalaureate Unclassified - To enroll in undergraduate courses as preparation for advanced degree programs or to enroll in graduate courses for professional or personal growth, applicants must be admitted as post- baccalaureate unclassified students. By meeting the general requirements, applicants are eligible for admission as post-baccalaureate unclassified students. Admission in this status does not constitute admission to, or assurance of consideration for admission to, any graduate degree or credential program. (Most CSUs do not offer admission to unclassified postbaccalaureate students).

(These and other CSU admission requirements are subject to change as policies are revised and laws are amended. The CSU website and the CSU admission portal are good sources for the most up-to-date information.)

GRADUATE AND POST-BACCALAUREATE ENGLISH LANGUAGE REQUIREMENT

All graduate and post-baccalaureate applicants, regardless of citizenship, whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a minimum score of 500 on the Test of English as a Foreign Language (TOEFL). Some programs require a higher score. Several CSUs may use alternative methods for assessing fluency in English including Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS) and the International Test of English Proficiency (ITEP).

GRADUATE AND POST-BACCALAUREATE APPLICATION PROCEDURES

All graduate and post-baccalaureate applicants must file a complete graduate application as described in the graduate and post-baccalaureate admission materials at www.calstate.edu/apply.on. Applicants seeking a second bachelor's degree must submit the undergraduate application for admission. Applicants who completed undergraduate degree requirements in the preceding term are also required to complete and submit an application and the $70 nonrefundable application fee. To be assured of initial consideration by more than one campus, it is necessary to submit separate applications (including fees) to each. All CSU applications must be submitted online at www.calstate.edu/applyvia the Cal State Apply website. An acknowledgement will be sent to the applicant when the online application has been submitted.

Graduate and post-baccalaureate applicants may apply for a degree objective, a credential or certificate objective, or where approved, may have no program objective. Depending on the objective, the CSU will consider an application for admission as follows:

General Requirements - The minimum requirements for admission to graduate and post baccalaureate studies at a California State University campus are in accordance with university regulations as well as Title 5, Chapter 1, Subchapter 3 of the California Code of Regulations.

Specifically, a student shall at the time of enrollment:

1. have completed a four-year college course of study and hold an acceptable baccalaureate degree from an institution accredited by a regional accrediting association, or shall have completed equivalent academic preparation as determined by appropriate campus authorities;
2. be in good academic standing at the last college or university attended;
3. have earned a grade point average of at least 2.5 on the last degree completed by the candidate or have attained a grade point average of at least 2.5 (A=4.0) in the last 60 semester (90 quarter) units attempted; and
4. satisfactorily meet the professional, personal, scholastic, and other standards for graduate study, including qualifying examinations, as evidenced by:
    - Minimum of five (5) years of professional experience beyond the bachelor's degree, at least three (3) of which must be at the supervisory or managerial level. Full-time work experience with written evidence documenting the nature and duration of the work experience is required.

    OR

    - Adequate performance on the Graduate Record Examination (GRE) General Test or the Graduate Management Admissions Test (GMAT) may be substituted for professional experience requirements.

In unusual circumstances, a campus may make exceptions to these criteria.

Students who meet the minimum requirements for graduate and post-baccalaureate studies may be considered for admission in one of the four following categories:

Graduate Classified - To pursue a graduate degree, applicants are required to fulfill all of the professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or

Graduate Conditionally Classified - Applicants may be admitted to a graduate degree program in this category if, in the opinion of appropriate campus authority, deficiencies may be remedied by additional preparation; or

Post-Baccalaureate Classified, e.g. admission to an education credential program - Persons wishing to enroll in a credential or certificate program, will be required to satisfy additional professional, personal, scholastic, and other standards, including qualifying examinations, prescribed by the campus; or

Post-Baccalaureate Unclassified - To enroll in undergraduate courses as preparation for advanced degree programs or to enroll in graduate courses for professional or personal growth, applicants must be admitted as post-baccalaureate unclassified students. By meeting the general requirements, applicants are eligible for admission as post-baccalaureate unclassified students. Admission in this status does not constitute admission to, or assurance of consideration for admission to, any graduate degree or credential program. (Most CSU campuses do not offer admission to unclassified post-baccalaureate students).

THESE AND OTHER CSU ADMISSION REQUIREMENTS ARE SUBJECT TO CHANGE AS POLICIES ARE REVISED AND LAWS ARE AMENDED. THE CSU WEBSITE www.calstate.edu AND THE CSU ADMISSIONS PORTAL www.calstate.edu/apply ARE GOOD SOURCES OF THE MOST UP-TO-DATE INFORMATION.

GRADUATE-POST-BACCALAUREATE ENGLISH LANGUAGE REQUIREMENT

All graduate and post-baccalaureate applicants, regardless of citizenship, whose native language is not English and whose preparatory education was principally in a language other than English must demonstrate competence in English. Those who do not possess a bachelor's degree from a postsecondary institution where English is the principal language of instruction must receive a minimum score of 575 (paper based), 240 (computer based) or 90 (Internet based) on the Test of English as a Foreign Language (TOEFL). Some programs require a higher score. Several CSU campuses may use alternative methods for assessing fluency in English including Pearson Test of English Academic (PTE Academic), the International English Language Testing System (IELTS), and the International Test of English Proficiency (ITEP).

INTERNATIONAL (FOREIGN) STUDENT ADMISSION REQUIREMENTS

The CSU must assess the academic preparation of foreign students. For this purpose, "foreign students" include those who hold U.S. temporary visas as students, exchange visitors, or in other non-immigrant classifications. The CSU uses separate requirements and application filing dates in the admission of "foreign students". Verification of English proficiency (see the section on the English Language Requirement for undergraduate applicants), financial resources, and academic performance are each important considerations for admission. Academic records from foreign institutions must be on file in advance of the first term and, if not in English, must be accompanied by certified English translations.

ADMISSION APPLICATION

The following are required for a complete application:

- Application for Admission. The application can be accessed at www.csum.edu/web/industry/graduate-studies/forms.
- $55 non-refundable application fee. Checks should be made payable to California State University, Maritime. Cash and credit cards are also accepted.
- One original copy each of all official transcripts. Applicants should have the equivalent of a four-year U.S. bachelor's degree, with a grade-point average of at least 2.5 (with A = 4.0) during the last two years (60 semester units or 90 quarter units) of coursework in the degree program. Copies of official transcripts should be sent to the address below from all colleges, universities, military training and vocational training attended other than Cal Maritime.
- Evidence of Readiness for Graduate Studies. Submit one of the following:
    - Official test results on the Graduate Management Admission Test (GMAT) or the Graduate Record Examination (GRE) General Test. These tests are administered at test centers throughout the world. To register for the GRE visit: http://www.ets.org/gre. To register for the GMAT visit: http://www.mba.com.
    - Two letters of recommendation demonstrating a minimum of five (5) successful years of professional experience beyond the bachelor's degree, at least three (3) of which must be at the supervisory or managerial level. These letters should come from supervisors and business associates who can discuss knowledgeably your leadership, management, and academic abilities.

The completed application, the non-refundable $55 application fee and all supporting documents can be completed online or mailed to the address below.

The Office of Graduate Studies
The California State University, Maritime
200 Maritime Academy Drive
Vallejo, CA 94590

FEES AND PAYMENT SCHEDULE

The total student cost for the program is $27,000.00 and includes all fees and books required for the 5-semester program. This fixed price will be guaranteed provided the student stays on track and completes the degree within the expected time frame.

An initial $1,000.00 non-refundable security deposit will be required to secure a space once a student has been admitted. That amount will be subtracted from the total program cost, leaving a $26,000.00 balance. That remaining amount is divided into 5 equal payments of $5,200.00 each. Payments will be due before the beginning of each term. In the event that a student withdraws, semester fees are non-refundable once a student has logged into that semester's course or courses.

Federal loans and other programs have been identified and set up for students to make application. Employers may also assist students with the cost of the program. Students should contact the Financial Aid department atwww.csum.edu/web/financial-aid/graduate-students or their employers for more information.

PROGRAM POLICIES AND EXPECTATIONS

Where no separate policy for graduate students is stated, the equivalent policy for Cal Maritime undergraduate students prevails. A clear understanding of program requirements and procedures as outlined in this catalog and at the Graduate Studies website will guide the student and will help avoid final semester problems and graduation delays. It is ultimately the graduate student's responsibility to be aware of all academic requirements and administrative deadlines of the program.

Satisfactory Academic Progress

Students admitted to graduate programs are expected to make systematic and successful progress towards the completion of their programs. The following policies are designed to assist the student in that endeavor.

Students must take the prescribed number and sequence of courses for their area of specialization. Students' work must give evidence of Graduate level writing proficiency.

A grade point average of 3.0 or better in all courses taken must be achieved and maintained to satisfy the requirements of the degree per CSU Masters Degree Requirements policy. This standard applies to all graduate students, including candidates in graduate-level certificate programs. A student is considered in probationary status and subject to dismissal if the cumulative scholarship in all work attempted in graduate status falls below a 'B' (3.0), or if the student's work in any two consecutive terms falls below a 'B' (3.0) average. The Dean of Graduate Studies determines a student's eligibility to continue in the program if he or she has been placed on academic probation. If allowed to continue in probationary status, the student is required to make steady progress toward improvement in scholarship.

Grading System

Student's work is graded using the A - F system. Grade point average computation is made using the following computation: A=4.0, B=3.0, C=2.0, D=1.0 and F=0.0. Course syllabi shall include a discussion of each individual

instructor's grading policy and how it applies to his or her particular course. In cases where the letter grade is modified by a + or -, the resulting numeric grade will reflect the appropriate fractional adjustment in the GPA.

Academic Probation

A graduate student will be placed on academic probation when the student's GPA falls below 3.0 in any given semester. Consistent with guidelines issued by the Chancellor of The California State University, a graduate student may also be placed on probation for repeated withdrawal from the program, failure to progress toward an educational objective, and noncompliance with the graduate department's program requirements.

A student placed on academic probation will be notified in writing via letter or e-mail and will be provided with the conditions to be met for removal from academic probation, as well as the circumstances which will lead to disqualification. Students shall be removed from academic probation once they have met the terms and conditions established in the notification of academic probation letter, and their cumulative graduate GPA is at least 3.0 or higher. Students not meeting those terms and conditions within the specified time frame will be disqualified from continuing in the program.

Academic Suspension and Removal From the Program

Students who are subject to academic probation and fail to meet the conditions established by their terms of probation in the notification of academic probation within the specified period of time will be subject to academic suspension and/or academic disqualification from the program. A student placed on academic suspension or removal from the program will be notified in writing via letter or e-mail and will be provided with the reasons which lead to his or her disqualification.

Withdrawal of Registration During a Semester

In the event that a graduate student withdraws his or her registration during a semester, semester fees are non-refundable once the student has logged into their courses except in unusual circumstances which have been approved by the Dean of Graduate Studies or when doing so conflicts with the required return of student financial aid funds from federal, state, institutional, or other external sources. A recipient of such returnable funds withdrawing from the graduate program during an academic term may be subject to University repayment provisions in the amount of the funds returned to the lender.

Non- refundable fees in any circumstances include but are not limited to the application fee and the initial enrollment deposit of $1,000.

RETURNING STUDENTS

Reinstatement

In order to be considered for reinstatement, a disqualified student must demonstrate academic ability by completing conditions determined by the Dean of Graduate Studies. The student may then petition the Department of Graduate Studies for reinstatement. The student must submit the petition for reinstatement no later than three weeks before the beginning of the semester that the student intends to return. The Department of Graduate Studies will only consider the petition for reinstatement of students who have remained outside of the university for at least one regular (Fall, Spring or Summer) semester after their dismissal. Students who are disqualified, reinstated, and become disqualified a second time will not be granted a second reinstatement.

Leave of Absence

Students called to or engaged in public service for reasons beyond their control will not lose registration priority, academic credit, or degree status. Such activities may include military service, fire fighting, or public security. To accommodate such students, Cal Maritime will accept withdrawals at any point throughout the semester. Students may be granted an extended leave of absence for up to two years for engagement in public service beyond their control. If currently enrolled, they must complete a leave of absence form obtained from the Office of Graduate Studies. An approved leave will ensure that they retain their catalog rights and that they can register for subsequent terms without reapplying for admission.

ENROLLMENT IN THE CAPSTONE COURSE

In order to enroll in the graduate program's Capstone course, students must have completed all required courses in the program with passing grades and resolved any outstanding Incomplete grades. Students who are on academic probation or who have an unresolved Incomplete in any course may not pursue the Capstone course without prior written approval from the Dean of Graduate Studies.

Procedure for an Unqualified Student to Petition for Permission to Enroll in the Capstone Course

Permission for an unqualified student to enroll in the Capstone course may be granted in the rare occasion that a student has only one outstanding course to retake or one outstanding Incomplete to resolve, and has demonstrated via an approved action plan the ability to successfully resolve those issues within a stated period of time not to exceed the period of time necessary for completion of the Capstone project. The student must pay full tuition for the semester(s) during which this resolution is addressed and will not be eligible to pay the lower Continuous Enrollment Fee.

CONTINUOUS ENROLLMENT

Unless granted a formal leave of absence, graduate students are expected to register every term following their initial enrollment through its completion, including the term in which their degree or certificate is to be awarded. Students who have taken the Capstone course and whose project is either not filed or not approved by the end of the Capstone course semester are required to be continuously enrolled (including the Summer semester) until the project is completed and approved.

Qualifying for the Continuous Enrollment Fee

If a student has completed all requirements for a degree except the filing and/or approval of the Capstone project, the student may be eligible to pay a Continuous Enrollment Fee during the following semester(s) instead of registering at the full semester fee rate. This exception may apply to no more than the semester immediately following the semester during which the student was enrolled in the Capstone course.

Four conditions must be satisfied for the student to be eligible for this fee:

- All formal requirements for the degree except for filing and/or approval of the finished Capstone project must be completed before the first day of the semester for which the Continuous Enrollment Fee is being requested;

- Since the last day of the previous qualifying semester and up to the first day of the semester for which the Continuous Enrollment Fee is being sought, the combined use of Cal Maritime faculty and staff time must not exceed 12 hours;
- During the semester in which the Capstone course was taken and the project was begun, the Capstone committee suggested only stylistic and/or typographical changes in the Capstone project rather than a change of the project itself; and
- The student must have been enrolled at the full semester fee during the qualifying semester.

Procedure for Student to Establish Eligibility to Pay the Continuous Enrollment Fee

The student must complete a Continuous Enrollment Fee application signed by all members of his or her Capstone Committee certifying that all the above requirements have been met. Forms for this purpose are available in the Office of Graduate Studies. The student should submit the completed form to the Office of Graduate Studies for approval by the Dean of Graduate Studies. If the Dean of Graduate Studies approves the Continuous Enrollment Fee application, the student will be billed for the amount of the Continuous Enrollment Fee rather than at the full semester rate. Otherwise, the full semester fee will be charged.

Important Notes Regarding Continuous Enrollment

Students paying the Continuous Enrollment Fee are not eligible for the privileges normally accorded regularly registered students other than the use of the library and e-mail resources, and the attention of the Capstone Committee members necessary for consultation and final approval of the Capstone project. If, after paying the Continuous Enrollment Fee in any one semester, a student should find it necessary to use the educational facilities of the University in any way other than usage of library or e-mail resources or requiring the attention of the Capstone Committee sufficient for a final reading of the Capstone project, then the student must resume registration at the full student enrollment fee rate. If this should occur during a semester in which the student has already paid the Continuous Enrollment Fee, the student will be billed for the balance of the usual semester fees.

- A student may not use the Continuous Enrollment Fee for the purpose of taking course work of any kind.
- The Continuous Enrollment Fee is not a substitute for enrollment for purposes of deferring student loans, nor does it guarantee eligibility for financial aid.
- The Continuous Enrollment Fee will not be refunded if the Capstone project is not filed or passed.

Since Continuous Enrollment does not bear academic credit, it may not appear on a student's transcript.

STANDARD OF INTEGRITY AND CIVILITY

California Maritime Academy has and enforces regulations which forbid cheating, plagiarism, and other forms of inappropriate and unethical academic conduct. Students found guilty of these inappropriate actions will not be permitted to continue in the Graduate Program.

Conduct within the online environment as exemplified by postings in the course discussion forums and email communication is expected to exhibit a level of courtesy consistent with a professional interchange.

ELIGIBILITY FOR A MASTER'S DEGREE

To be eligible for the Master's Degree, the candidate shall have completed the following minimum requirements:

- The successful completion of the specified course of study approved by the Curriculum Committee at Cal Maritime consisting of thirty semester units of approved graduate work. An overall minimum grade point average of 3.0 (B) is required.
- Satisfactory completion of a capstone project. No more than two semesters shall be allowed for the capstone project.

COMMENCEMENT PARTICIPATION

In order to participate in the Spring commencement ceremony, students must have successfully completed all degree requirements and fulfilled all financial obligations toCal Maritime. In limited situations,students whose Capstone project will be accepted and approved in the Summer semester immediately following commencement may be eligible to participate in the commencement ceremony as a "Walk Only" candidate if they have received prior written approval to participate from the Dean of Graduate Studies. Under no circumstances will a student who has outstanding financial obligations to Cal Maritime be permitted to participate in commencement.

Procedure for an Unqualified Student to Participate in Commencement

Students who will complete their degree requirements by completing the Capstone project in the summer semester following commencement may be eligible to participate in the May commencement ceremony as a "Walk Only" candidate provided they file a Declaration of Intent to Graduate form showing project approval as achievable by the August immediately following commencement. The Declaration of Intent to Graduate form must be approved by the student's Capstone Committee and the Dean of Graduate Studies.

USE OF SOCIAL SECURITY NUMBER

Applicants are required to include their correct social security numbers in designated places on applications for admission pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code (26 U.S.C. 6109). The university uses the social security number to identify students and their records including identification for purposes of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution. Also, the Internal Revenue Service (IRS) requires the university to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses and interest on educational loans. This information is used by the IRS to help determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes. The Financial Aid Office will also use it to report Federal Work Study earnings to the Federal Department of Education.

Graduate Programs and Courses

Cal Maritime's Office of Graduate Studies, a division of the Department of Sponsored Projects and Extended Learning, offers a Master of Science degree in Transportation and Engineering Management, with areas of specialization in Transportation Management, Engineering Management, and Humanitarian Disaster Management.

Student Resources

Fee Policy

Fee Policy Academic Year 2025-2026

Schedule of Tuition and Fees - 2025/26

The CSU makes every effort to keep student costs to a minimum. Tuition and fees listed in published schedules or student accounts may need to be increased when public funding is inadequate. Therefore, CSU reserves the right, even after initial payments are made, to increase or modify any listed tuition or fees. All listed fees, other than mandatory systemwide tuition, are subject to change without notice, until the date when instruction for a particular semester or quarter has begun. All CSU-listed tuition and fees should be regarded as **estimates** that are subject to change upon approval by the Board of Trustees, the chancellor or the presidents, as appropriate. Changes in mandatory systemwide tuition will be made in accordance with the requirements of the Working Families Student Fee Transparency and Accountability Act (Sections 66028 through 66028.6 of the California Education Code).

The following reflects applicable systemwide tuition and fees for both semester and quarter universities from undergraduate, credential, post-baccalaureate and doctoral programs.

These rates are subject to change.

All Students

Application Fee (nonrefundable), payable online at the time of application via credit card, e-check or PayPal: $70

Mandatory systemwide tuition is waived for those individuals who qualify for such exemption under the provisions of the California Education Code (see section on fee waivers).

Students are charged campus fees in addition to tuition and systemwide fees. Information on campus fees can be found by contacting the individual CSUs.

2025-2026 Student Tuition and Fees

Schedule of Fees 2025-26

The total nonresident tuition paid per term will be determined by the number of units taken.

Campus based-Fees

In addition to tuition fees and other systemwide fees, students enrolled in a degree program at Cal Maritime pay the following fees: Housing, Food Service, Health Services, Health Facility, Parking, Associated Student Body, Instructionally Related Activity, Campus Document, Recreation, Medical Insurance A & B and specific course and laboratory fees determined by courses taken. Current charges for registration related fees can be viewed each year in the Schedule of Fees document posted here.

In addition, there may be other fees charged by third parties for licenses and exams that are requirements of degree programs. Also, certain departments may make assessments of varying amounts for equipment and facilities, loss, damage, breakage, waste of materials and for late payments or late registration.

Medical Insurance is a requirement for all students enrolled in a degree program at Cal Maritime. All students meeting the enrollment eligibility requirements are charged for Medical Insurance A & B. Please see the Medical Insurance Handbook for more information.

Students who have private medical insurance with sufficient coverage to meet the minimum requirements established by Cal Maritime may complete a medical insurance fee waiver online to request a waiver for Part A. Medical Insurance B cannot be waived. Visit the Student Health Center page for more information. There are strict deadlines for this request.

If the Medical Insurance A fee waiver is approved, a credit to the student's account will be made. Students who withdraw from Cal Maritime by the policy's deadline and who have not used the Cal Maritime policy prior to withdrawal will also receive a credit for this fee. Students who request a refund or withdraw after the Cal Maritime policy deadline will be referred to Student Health Services at 707-654-1170.

Two Dining Plans for all Resident Cadets

All resident students' meal plan accounts are now based on Swipes and FLEX cash. Swipes will give you access to all-you-care-to-eat dining at **The Marketplace**, and provide an option for Meal Exchanges at the **Bistro** and **Morrow Cove**. FLEX cash is eligible to spend on any food items and locations on campus - including: The Bistro, Morrow Cove, and vending machines. Dining Services will have Meal Plans based on either 15 swipes (5-Day Meal Plan), or 19 swipes (7-Day Meal Plan) per week.

Should you wish to add money to your account, you may do so through Sand Dollars, which are eligible for both food items and non-food items on campus - including: The Bookstore merchandise, laundry, and GrubHub.

Payment of Fees and Other University Charges

Students can view e-Bills and pay fees, tuition and charges online through Transact Payments. Students will receive an email message from studentaccounts@csum.edu when new statements are available to view.

If you would like a parent or other responsible party to receive notices, you can setup a login for them on the "Your Account" page under "Parent PINs". Be sure to include their email address and check the box that allows them to receive billing notifications. When a statement is ready to view, each of you will receive an email notification.

Please note: All financial information and communications are directed to the student, in accordance with federal privacy regulations. If a student wishes to allow a parent, guardian, or other individual to access account details, they must complete the **Authorization to Release Information link here**.

Fee Waivers and Exemptions

The California Education Code provides for the waiver of mandatory systemwide tuition fees as summarized below:

Section 66025.3(a) - Dependent eligible to receive assistance under Article 2 of Chapter 4 of Division 4 of the Military and Veterans Code; child of any veteran of the United States military who has a service- connected disability, has been killed in service, or has died of a service-connected disability, and meets specified income provisions; dependent, or surviving spouse who has not remarried of any member of the California National Guard who, in the line of duty, and while in the active service of the state, was killed, died of a disability or permanently disabled as a result of an event that occurred while in the active service of the state, and any undergraduate student who is a recipient of a Medal of

Honor, or an undergraduate student who is a child of a recipient of a Medal of Honor who is 27 years old or younger, who meets the income restriction and California residency requirement.

Section 66025.3(b) - Current or former foster youth who is 25 years of age or younger; has been in foster care for at least 12 consecutive months after reaching 10 years of age; meet any of the following:

1. Is under a current foster care placement order by the juvenile court.
2. Was under a foster care placement order by the juvenile court upon reaching 18 years of age.
3. Was adopted, or entered guardianship, from foster care.

The current or former foster youth needs to complete and submit the Free Application for Federal Student Aid (FAFSA), maintain a minimum grade point average and meets other conditions necessary to be in good standing at the university; and meet the financial need requirements established for Cal Grant A awards under Chapter 1.7 (commencing with Section 69430) of Part 42.

The waiver of mandatory systemwide tuition and fees under section 66025.3 shall apply only to a person who is determined to be a resident of California pursuant to Chapter 1 (commencing with Section 68000) of Part 41 of the California Education Code. Total mandatory systemwide tuition or fees waived shall not have in excess of the equivalent of attendance in a four-year undergraduate program.

Section 66602 - A qualifying student from the California State University (CSU) who is appointed by the Governor to serve as Trustee of the California State University (CSU) for the duration of the student member's term of office.

Section 68120 - Surviving spouse or child of a deceased California resident who was employed by a public agency or was a contractor, or an employee of a contractor, performing services for a public agency, or was a firefighter employed by the federal government whose duty assignment involved the performance of firefighting services in this state. The deceased person's principal duties consisted of active law enforcement service or active fire suppression and prevention and was killed in the performance of active law enforcement or active fire suppression and prevention duties (referred to as Alan Pattee Scholarships). Additionally, a person who qualifies for the waiver under this section as a surviving child of a contractor, or of an employee of a contractor, who performed services for a public agency, must be enrolled as an undergraduate student at the California State University and meet the applicable income restriction requirement with supporting documentation (i.e. student's income, including the value of parent support, does not exceed the maximum household income and asset level for an applicant for a Cal Grant B award).

Section 68120.3 - Surviving spouse (until January 1, 2033) or surviving child (until attaining the age of 30) of a deceased California resident who was a licensed physician or licensed nurse employed by or under contract with a health facility regulated and licensed by the State Department of Public Health to provide medical services, or a first responder employed to provide emergency services as described in Section 8562 of the Government Code. The deceased person's principal duties consisted of providing medical services or emergency services during the COVID-19 pandemic state of emergency (started March 4, 2020, until the Governor lifts the state of emergency), and the deceased person died of COVID-19 during the COVID-19 pandemic state of emergency. The person who qualifies for this waiver must enroll as an undergraduate student at a CSU, was a resident of California during the COVID-19 pandemic state of emergency, and the annual income (including the value of parent's support) does not exceed the maximum household income and asset level for an applicant for a Cal Grant A award, as set forth in Section 69432.7.

Section 68121 - A qualifying undergraduate student (until attaining the age of 30) who is the surviving dependent of any individual killed in the September 11, 2001, terrorist attacks on the World Trade Center in New York City, the Pentagon building in Washington, D.C., or the crash of United Airlines Flight 93 in southwestern Pennsylvania, if the student meets the financial need requirements set forth in Government Code Section 69432.7 for the Cal Grant A Program and either the surviving dependent or the individual killed in the attacks was a resident of California on September 11, 2001.

Section 69000 - A California resident who has been exonerated, as that term is defined in Section 3007.05 of the Penal Code; completes and submits the FAFSA; and meets the financial need requirements established for Cal Grant A awards. The student's mandatory systemwide tuition and fees waived pursuant to this subdivision shall not have in excess of the equivalent of six years of full-time attendance in an undergraduate program.

Students who may qualify for the above benefits should contact the Admissions/Registrar's Office for further information and/or an eligibility determination.

The California Education Code provides for the following nonresident tuition exemptions as summarized below:

Section 68075 - A student who is a member of the Armed Forces of the United States stationed in this state, is entitled to resident classification only for the purpose of determining the amount of tuition and fees. If that member of the Armed Forces of the United States who is in attendance at an institution is thereafter transferred on military orders to a place outside this state where the member continues to serve in the Armed Forces of the United States, the member shall not lose the member's resident classification so long as the member remains continuously enrolled at that institution.

Section 68075.7 - A nonresident student is exempt from paying nonresident tuition or any other fee that is exclusively applicable to nonresident students if the student:

1. Resides in California;
2. Meets the definition of "covered individual" as defined in Section 3679(c)(2) of Title 38 of the United States Code; or
3. Is eligible for education benefits under the federal Montgomery GI Bill-Active Duty program (Chapter 30 (commencing with Section 3001) of Title 38 of the United States Code), the Veterans Readiness and Employment program (Chapter 31 (commencing with Section 3100) of Title 38 of the United States Code), the Post-9/11 GI Bill program (Chapter 33 (commencing with Section 3301) of Title 38 of the United States Code), or the Survivors' and Dependents' Educational Assistance program (Chapter 35 (commencing with Section 3500) of Title 38 of the United States Code), as each read on January 5, 2022.

Section 68122 - A student who is a victim of trafficking, domestic violence, and other serious crimes who has been granted a status under Section 1101(a)(15)(T)(i) or (ii), or Section 1101(a)(15)(U)(i) or (ii), of Title 8 of the United States Code shall be exempt from paying nonresident tuition to the same extent as individuals who are admitted to the United States as refugees under Section 1157 of Title 8 of the United States Code.

Section 68130.5 - A nonresident student, other than a person excluded from the term "immigrant" for purposes of the federal Immigration and Nationality Act (8 U.S.C. Sec. 1101), pursuant to paragraph (15) of subsection (a) of Section 1101 of Title 8 of the United States Code, shall be exempt from paying nonresident tuition if the student meets the requirements of (1) through (4), below.

1. Satisfaction of the requirements of either subparagraph (A) or subparagraph (B).
    1. A total attendance of, or attainment of credits earned while in California equivalent to, three or more years of full-time attendance or attainment of credits at any of the following:
        1. California high schools;
        2. California high schools established by the State Board of Education;
        3. California adult schools established by a county office of education, a unified school district or high school district, or the Department of Corrections and Rehabilitation (subject to the class hours' requirement);
        4. Campuses of the California Community Colleges (subject to the credit requirements); or
        5. A combination of those schools set forth in clauses (i) to (iv), inclusive.
    2. Three or more years of full-time high school coursework in California, and a total of three or more years of attendance in California elementary schools, California secondary schools, or a combination of both.
2. Satisfaction of any of the following:
    1. Graduation from a California high school or attainment of the equivalent thereof;
    2. Attainment of an associate degree from a campus of the California Community Colleges; or
    3. Fulfillment of the minimum transfer requirements established for the California State University for students transferring from a campus of the California Community College.

Registration as an entering student at, or current enrollment at, an accredited institution of higher education in California not earlier than the fall semester or quarter of the 2001-02 academic year.

In the case of a person without lawful immigration status, the filing of an affidavit with the institution of higher education stating that the student has filed an application to legalize the student's immigration status or will file an application as soon as the student is eligible to do so.

Payment Options

- *E-Check* There is no additional charge to use this payment option. Please review the information carefully on the checkout page to prevent a dishonored payment. Should your E-Check payment be returned for any reason, including an erroneously entered account number, you will be charged a $25.00 administrative fee for the returned payment. A hold will be placed on your student account, preventing further enrollment activity. If the payment is dishonored because of non-sufficient funds, repayment must be made by certified check, credit card or cash. Repayment by personal check or E-Check may not be accepted.

- *Credit/Debit Card Payments* Credit card payments for student fees are not accepted at the Cashier's Office in person, over the phone or by mail. Please note that Transact Payments SmartPay charges a service fee of 2.65% of the amount charged for the convenience of making payments via credit card/debit. VISA, MasterCard, Discover and American Express are accepted online ONLY.

  California State University Maritime Academy
  Attention: Cashier's Office
  200 Maritime Academy Dr.
  Vallejo, CA 94590

  On the memo section of the check, please include the student's first and last name with the student ID number.

  Check, money order or cash payments are accepted at the campus Cashier's Office.

  An approved Installment Payment Plan may be submitted with the required deposit and administrative fee each semester by the published due date. An application form and eligibility requirements are available from Cal Maritime's/ Cal Poly Solano Campus' web site. Please insert this link: IPP (Installment Payment Plans) - CSUM

    - Payment for the amount of fees equal to the anticipated financial aid for the semester may be deferred. To be eligible, a student must apply for financial aid and complete all paperwork (applications, promissory notes, tax records, pre-loan counseling, fee waiver forms, third party sponsor authorizations, etc.), clear all holds, and be enrolled in the units necessary to qualify for the aid award prior to the fee due date. If the anticipated aid is not sufficient to cover all fees, the student must remit payment for the remainder by the fee due date.
    - A student requesting deferred payment on the basis of anticipated financial aid but who is not certified by the Financial Aid office by the fee due date may have his/her enrollment canceled. Upon completion of Financial Aid certification, the student may re-enroll, subject to class availability, when registration re-opens for the semester. A late registration and late payment fee will be assessed. If a financial aid award or other third party sponsorship is changed or disallowed, the student is immediately responsible for payment in full.
    - Payments returned by the bank for any reason are subject to an administrative fee. A returned payment will be considered the same as no payment. Students who have a

payment returned by the bank are required to pay by cash, certified check, money order or online by credit card.

Fees and Debts Owed to the Institution

Should a student or former student fail to pay a fee or a debt owed to the institution, Cal Maritime may "withhold permission to register, to use facilities for which a fee is authorized to be charged, to receive services, materials, food or merchandise or any combination of the above from any person owing a debt" until the debt is paid (Title 5, California Code of Regulations, Section 42380 and 42381).

Students and prospective students who register for courses offered by the university are obligated for the payment of fees associated with registration for those courses. Failure to cancel registration in any course for an academic term prior to the first day of the academic term gives rise to an obligation to pay student fees including any tuition for the reservation of space in the course.

The institution may withhold permission to register or to receive official transcripts of grades or other services offered by the institution from anyone owing fees or another debt to the institution. The institution may also report the debt to a credit bureau, offset the amount due against any future state tax refunds due the student, refer the debt to an outside collection agency and/or charge the student actual and reasonable collection costs, including reasonable attorney fees if litigation is necessary, in collecting any amount not paid when due.

The institution may not withhold an official transcript of grades by the institution from anyone owing fees or another debt to the institution (see Title 1.6C.7 (commencing with Section 1788.90) Part 4 of Division 3 of the Civil Code). The institution can still charge a fee for the issuance of the transcript pursuant to their published transcript processing fees.

If a person believes he or she does not owe all or part of an asserted unpaid obligation, that person may contact the Accounting Office. The Accounting Office will review all pertinent information provided by the person and available to the campus and will advise the person of its conclusions. In all cases, it is important to act in a timely manner when requesting a review of debts and possible refunds.

Consequences of Non-Compliance

Fees must be submitted to the Cashier's Office using one of the approved payment methods listed under Payment Options by the fee due date. After the due date, students with outstanding balances are subject to cancellation of their enrollment. The student may re-enroll when registration re-opens for the semester, subject to class availability. A late registration and late payment fee will be assessed. Meal plans may be deactivated until the account is no longer delinquent. In the event of deactivation due to non-payment of fees, the plan charge will not be prorated for the time that meal service was suspended.

If a student on an Installment Payment Plan misses a scheduled payment, the student is subject to a late payment fee and will be subject to cancellation of enrollment. Also, the student will not be eligible for future installment payment plans.

In accordance with Title 5, California Code of Regulations, Section 42380 and 42381, it is the policy of Cal Maritime that any student with a balance due will not be allowed to register for classes, take final exams, receive grades, receive official transcripts of grades, participate in any cruise, undergo the selection process for commercial cruise, or benefit from the other services offered by the institution.

If a student or former student leaves Cal Maritime with unpaid fees or fines that remain due, those amounts will automatically convert to a student loan on the last day of the semester that the student last attended. The loan is due and payable to Cal Maritime no later than June 30th of the academic year that the student last attended.

In addition, Cal Maritime may offset refunds to financial aid recipients if funds are required to be returned to the financial aid programs as a result of dropped units or a withdrawal from Cal Maritime.

Cancellation of Registration or Withdrawal from Cal Maritime

Students who find it necessary to cancel their registration or to withdraw from all classes after enrolling for any academic term are required to follow the University's official withdrawal procedures. Failure to follow formal University procedures may result in an obligation to pay fees as well as the assignment of failing grades in all courses and the need to apply for readmission before being permitted to enroll in another academic term. Information on canceling registration and withdrawal procedures is available from the Office of the Registrar, Mayo Hall, (707) 654-1203.

Students who receive financial aid funds must consult with the Financial Aid Office prior to withdrawing from the university regarding any required return or repayment of grant or loan assistance received for that academic term or payment period. Students who have received financial aid and withdraw from the institution during the academic term or payment period may need to return or repay some or all of the funds received, which may result in a debt owed to the institution.

The most current information can be found at the Office of the Registrar website or the Office of Financial Aid website.

Refund Policy

Refund of Tuition and Mandatory Fees, Including Nonresident Tuition

Regulations governing the refund of mandatory fees, including nonresident tuition and tuition assistance for students enrolling at the CSU are included in Section 41802 of Title 5, California Code of Regulations. For purposes of the refund policy, mandatory fees are defined as those systemwide and campus fees that are required to be paid in order to enroll in state-supported academic programs at the California State University Maritime Academy. Refunds of fees and tuition charges for self-support, special session, and Professional and Continuing Education (PaCE) programs or courses at the CSU are governed by a separate policy established by the University, available at Extended Learning.

In order to receive a full refund of tuition and mandatory fees, including nonresident tuition, less an administrative charge established by the university, a student must cancel registration or drop all courses prior to the first day of instruction for the term. Information on procedures and deadlines for canceling registration and dropping classes is available on the Financial Services webpage.

When a student requests a refund or withdrawas from Cal Maritime, an audit is made on the account to verify the actual amount that should be returned. Any refund due back to a student is applied first towards any required return of student financial aid funds from federal, state, institutional, or external sources, then towards any outstanding fees or debts to California State University Maritime Academy. Any remaining balance may be returned to the student or to the parents if the balance is the result of a parent's PLUS loan.

Credit balances of less than $10.00 will not be refunded, unless those balances are the result of a federal financial aid distribution. Information concerning any aspect of the refund of tuition and fees may be obtained from the Cashier's Office.

Refund of tuition and fees does not constitute formal withdrawal from Cal Maritime. To withdraw formally, a student must contact the Office of the Registrar and file a University Withdrawal form.

Withdrawal from the University

Full Refund: In order to receive a full refund of mandatory fees, less an administrative charge established by the campus, including nonresident tuition, a student must cancel registration or drop all courses, and officially withdraw from the University prior to the first day of instruction of the term. Information on procedures and deadlines for canceling registration and dropping classes is available at the Office of the Registrar.

Pro-Rata Refund: The pro-rata refund is determined on the basis of the data of the student's withdrawal and the length of the academic period. The length of the academic period is calculated from the first day of instruction through the final exam day of the period and excludes any breaks of five (5) days or more.

No student withdrawing after the 60 percent point in the term will be entitled to a refund of any mandatory fees and/or non-resident tuition.

Example: The first day of instruction for the fall semester is August 27, the final day of the exam period is December 14, and there are no breaks longer than 4 days. the length of the academic period is 110 days. The sixty percent point in the term is day 66 which falls on October 31. No student who withdraws after October 31 is entitled to a refund. If a student withdraws on October 31, the campus has "earned" sixty percent of the student's fees and the student is entitled to refund of forty percent of the applicable tuition and mandatory fees less an administrative charge established by the campus.

Financial aid students who wish to cancel their registration or withdraw from all classes after receiving financial aid funds **must** contact the Office of Financial Aid. Withdrawal from the University during an academic erm or a payment period, may require students to return and/or repay the amount of grant or loan assistance received. Following the federal regulations, all refunds will be credit back to the appropriate Title IV Financial Aid programs that were used to pay University charges.

Late Application of Refunds

Title V of the California Code of Regulations provides for late application of refunds under the following circumstances:

- The tuition and fees were assessed or collected in error;
- The course or courses for which the tuition fees were assessed or collected was canceled by the university.
- The university makes a delayed decision that a student was not eligible to enroll in the term for which tuition and mandatory fees were assessed and collected and the delayed decision was not due to a student not providing completed or accurate information; or
- The student was activated for compulsory military service.

Students who are not entitled to a refund as described above may petition the university for a refund demonstration exceptional circumstance. The Registration Appeals Committee will review and make a recommendation to authorized a refund if the Committee determines that the fees and tuition were not earned by the University.

Students must submit the following documents to the Cashier's Office to justify late request for a refund:

1. Petition for Waiver of Financial Regulations*
2. Refund Request for Tuition and Registration Fees
3. Written documentation to support the request

*Note: The Petition for Waiver of Financial Regulations is applicable for the current semester only and the petition may be reviewed **only** for up to one year from the last day of the semester/session identified in the petition.

RETURN OF UNEARNED TUITION ASSISTANCE

When a student withdraws, the student may no longer be eligible for the full amount of tuition assistance funds originally awarded. In compliance with the Department of Defense policy, California State University Maritime Academy will return any unearned tuition assistance funds on a prorate basis through at least the 60% portion of the period for which the funds were provided. Tuition assistance funds are earned proportionally during an enrollment period, with unearned funds returned based upon when a student stops attending. These funds are returned to the military Service branch.

When a Service member stops attending due to a military service obligation, CSU Maritime Academy will work with the affected Service member to identify solutions that will not result in student debt for the returned portion.

Course Fee Refunds

All course fee refunds require the student to officially drop the course either through PeopleSoft Online Services or the Office of the Registrar. Any fees owed to Cal Maritime and any returns to financial aid will first be deducted from the credit balance. Any remaining credit balance on the student's account will be refunded unless the student requests that the credit remain on account for future registration.

Firefighting Course Fee Refunds

Refunds for Firefighting will be made as follows:

- Up to 7 calendar days before the published first day of the term/semester - full refund
- Less than 7 days before the published first day of the term/semester - full refund less an administrative charge of $25
- On or after the published first day of term/semester - no refund

Cruise Course Fee Refunds

Students who did not attend and formally drop the course prior to the published TSGB Cruise Begins date will be issued appropriate refunds based upon the following refund schedule:

- Up to 30 calendar days before the published TSGB Cruise Begins date - full refund of applicable fees and tuition
- From 30 to 15 calendar days before the published TSGB Cruise Begins date - refund of applicable fees and tuition less an administrative charge of $50
- Less than 15 calendar days before the published TSGB Cruise Begins date - refund of applicable fees and tuition less an administrative charge of $100
- On or after the published TSGB Cruise Begins date - **No refund**

Students who are not entitled to a refund as listed under the Title V that provides for late request for refund may submit a Petition for Waiver of Financial Regulations for exceptional circumstances. The Registration Appeals Committee will review and make a recommendation to authorize a refund if the Committee determines that the fees and tuition were not earned by the University. A $250 administrative fee will be deducted from the authorized refund for late drop/withdrawal on or after the published TSGB Cruise begins date.

The Office of the Registrar must certify that the student did not attend cruise.

Visiting students enrolled through Extended Learning and Concurrent Enrollment who officially drop the course and do not attend cruise:

- Non-refundable fees include drug testing and document fee

International Experience Course Fee Refunds

Students who did not attend and formally drop the course prior to the published 1st day of the summer term will be issued appropriate refunds net of the non-refundable deposit and other administrative refund fee including outstanding debts owed to the University.

- The Office of the Registrar must receive a formal drop request before the published 1st day of the summer term.
- Students requesting a refund for late application due to unforeseeable circumstances must submit a completed Petition for Waiver of Financial Regulations with written supporting documentation to the Registration Appeals Committee to determine the merits of each specific case. The Registration Appeals Committee will review and make a recommendation to authorize a refund if the Committee determines that the fees and tuition were not earned by the University.
- The Office of the Registrar, Financial Aid Office, and Accounting Office will audit refund requests before refunds are processed.

Welding and Manufacturing Lab Fee Refunds

Full refund is issued for those students who formally drop the class prior to the published 1st day of the academic term. **No refunds** will be made for drops submitted on or after the 1st day of the term.

MT Lab Fee Refund

Refunds are made only for students who did not attend cruise and who formally dropped the course prior to the published TSGB Cruise Begins. No refunds will be made for drops submitted or when a student leaves the ship on or after the published TSGB Cruise Begins date.

Refunds of Other University Fees

1.0 Parking Permit Refunds

Parking on campus is by permit only. Requests for refunds must be submitted in the same semester as the permit was issued. Refunds are prorated from the start of the semester to the date the permit is returned based on the schedule provided by The CSU Chancellor's Office Parking Fee and Refund Schedule. Additional information may be obtained from the Public Safety Office.

2.0 Housing and Food Service Refunds

Housing and Food service refunds are processed according to the terms of the Housing License Agreement. After the 60% point of the semester, no refunds are made. Students desiring to live off-campus must submit a petition for off-campus housing to the Director of Housing and Residence Life for approval by the published due date. Additional information may be obtained from the Housing office.

California State University Maritime Academy will return any unearned tuition assistance funds on a prorate basis through at least the 60% portion of the period for which the funds were provided.

Determination of Residency for Tuition Purposes

University requirements for establishing residency for tuition purposes are independent from those of other types of residencies, such as for tax purposes, or other state or institutional residency. These regulations were promulgated not to determine whether a student is a resident or non-resident of California, but rather to determine whether a student should pay University fees on an in-state or out-of- state basis. A resident for tuition purposes is someone who meets the requirements set forth in the Uniform Student Residency Requirements. These laws governing residency for tuition purposes at the California State University are California Education Code sections 68000-68085, 68120-68133, and 89705-89707.5, and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41900- 41916. This material can be viewed by accessing the California State University website.

Each CSUs Admissions Office is responsible for determining the residency status of all new and returning students based on the Application for Admission, Residency Questionnaire, Reclassification Request Form, and, as necessary, other evidence furnished by the student. A student who fails to submit adequate information to establish eligibility for resident classification will be classified as a non-resident.

Residency Requirements

Initial Determination: Eligible Immigration Status, Physical Presence and Intent

A student seeking to pay in-state tuition at a California State University (CSU) as a first-time freshman, transfer, or as a post-baccalaureate/graduate student must have an eligible immigration status to establish residency (see **Eligible Immigration Information**), meet physical presence by the Residence Determination Date, and demonstrate intent to indefinitely remain in the State of California for more than one year immediately preceding the Residence Determination Date. If the student is under the age of 19 (with limited exceptions), the student's residence status is derived from that of the parent or from that of the legal guardian.

Requirements for Residency for Tuition Purposes

Physical Presence: The student or parent/guardian must be physically present in California for more than one year immediately preceding the Residence Determination Date on which enrollment is considered. For example, if a student plans to attend the CSU for the fall 2025 academic term, and the Residence Determination Date for that term is September 20, 2025, the student must establish physical presence in California no later than September 19, 2024.

Eligible Immigration Status

A student seeking to pay in-state tuition at a California State University campus as a first-time freshman, transfer, or post-baccalaureate/graduate student must have an eligible immigration status to establish residency. Therefore, the student must be a United States citizen, a permanent resident (Green Card holder), or hold an eligible visa status (all eligible visas can be found at www.calstate.edu/residency).

Students in the category of Deferred Action for Childhood Arrivals (DACA), Humanitarian Parole, or Temporary Protected Status (TPS) are also eligible to establish residency for tuition purposes. Also, students who are adjusting their immigration status, such as asylum, may qualify for residency depending on where they are in the application process.

Most non-immigrant visa holders, such as an F-1 or J-1 visa holder, are not eligible to establish California residency for tuition purposes. Students with a visa or without an immigration status should contact the university Admissions Office.

If a student does not qualify as a California resident, the student may be eligible for certain exceptions and exemptions, such as California Nonresident Tuition Exemption, commonly known as AB 540. Nonresident students (including US citizens, permanent residents, and undocumented individuals, including students with a T visa U visa, DACA, Humanitarian Parole (certain countries), Special Immigrant Juvenile, asylum, refugee, or Temporary Protected Status)

may be exempted from paying nonresident tuition. Students seeking the AB 540 Exemption must satisfy attendance and graduation/transfer requirements from a California school (e.g., K-12, adult school, and community college).

Physical Presence: The student or parent/guardian must be physically present in California for more than one year immediately preceding the Residence Determination Date on which enrollment is considered. For example, if a student plans to attend the CSU for the fall 2025 academic term, and the Residence Determination Date for that term is September 20, 2025, the student must establish physical presence in California no later than September 19, 2024.

Residency Determination Dates

Fall	September 20
Winter	January 5
Spring	January 25
Summer	June 1

Intent: California law stipulates the burden of proof rests with the student, and merely living in California for a year does not support a claim for residency for tuition purposes. The student, or in some cases a parent or legal guardian, must demonstrate intent to remain indefinitely in the state for more than one year immediately preceding the Residence Determination Date (RDD) and sever all residential ties with the former state or country of residence. If the student is under the age of 19, the student's residence status is derived from that of the parent or legal guardian unless an exception applies. There must be sufficient documentation to demonstrate that intent was established more than one year (a minimum of one year and one day) before the RDD.

Documents must include the student's name, the student's California address, and a date at least one year and one day prior or on the RDD for the term. For students under the age of 19, documents must be in the parent or legal guardian's name unless an exception applies. Also, a parent or legal guardian's immigration status does not preclude a student from establishing residency; therefore, the parent or legal guardian is not required to provide any immigration documents to demonstrate intent.

Evidence demonstrating intent to remain in the State of California indefinitely may vary from case to case, but will include, and is not necessarily limited to, the absence of residential ties to any other state, California voter registration and history of actually voting in California elections, maintaining California vehicle registration and driver's license, maintaining active California bank accounts, filing California income tax returns and listing a California address on federal tax returns, owning residential property or occupying or renting a residence where permanent belongings are kept, maintaining active memberships in California professional or social organizations, and maintaining a permanent military address and home of record in California. For a complete list of acceptable supporting documents, please visit www.calstate.edu/residency under Intent.

Residency Exceptions and Exemptions

Students not classified as California residents for tuition purposes may qualify for an exception or an exemption from payment of nonresident tuition. Exceptions to the general residency requirements are contained in California Education Code sections 68070-68086 and California Code of Regulations, Title 5, Subchapter 5, Article 4, sections 41906-41906.6, 41910. Whether an exception applies to a particular student can only be determined after the submission of an application for admission and, as necessary, additional supporting documentation. Because neither the university nor the Chancellor's Office staff may give legal advice, applicants are strongly urged to review the material for themselves and consult with a legal advisor.

QUARTER CSUs **SEMESTER CSUs**

Fall	September 20	Fall	September 20
Winter	Janaury 5	Winter*	January 5
Spring	April 1	Spring	January 25
Summer	July 1	Summer	June 1

Reclassification - Financial Independence (only applies to continuing students).

A student classified as a nonresident for a prior term may seek reclassification in any subsequent term; however, reclassification requires that**,** in addition to satisfying the requirements of physical presence and intent to remain indefinitely in the state, the student must also satisfy the requirement of financial independence as outlined in Title 5 CCR § 41905.5. To do so, the student must contact the appropriate person in the university admissions office and complete a Residency Questionnaire Form and provide supporting documents.

41905.5. Residence Reclassification - Financial Independence Requirement

- Any nonresident student requesting reclassification to resident for tuition purposes must demonstrate financial independence or meet one of the criteria to exclude financial independence from reclassification analysis. A student is considered financially independent if all three requirements are met:
    - Student has not and will not be claimed as an exemption for state and federal tax purposes by his/her parent in the calendar year the reclassification application is made and in any of the three calendar years prior to the reclassification application.
    - Student has not and will not receive more than seven hundred fifty dollars ($750) per year in financial assistance from their parent in the calendar year the reclassification application is made and in any of the three calendar years prior to the reclassification application.
    - Student has not lived and will not live for more than six weeks in the home of their parent during the calendar year the reclassification application is made and in any of the three calendar years prior to the reclassification application.

Note: Students who receive a government scholarship and/or financial assistance should be viewed the same as state and federal financial aid, and athletics grants-is aid; and should not be counted as parental support.

Effective Fall 2020 academic term, if the student meets at least one of the following criteria, the student does not have to meet the financial independence requirement. Students must provide the university admissions office supporting documents (e.g. state income tax returns, court documents, marriage certificate, military order form) that demonstrate they meet the criteria.

- Dependent on a parent who has California residence for more than one year immediately preceding the residence determination date;
- Enrolled in a graduate or postbaccalaureate program, regardless of age;
- Turned 24 years of age by the residence determination date;
- Married or registered domestic partner as of the residence determination date;
- Active-duty members serving in the U.S Armed Forces;
- Veteran of the U.S. Armed Forces;
- Legal dependent other than spouse or registered domestic partner;
- Former ward of the court, foster youth or both parents are deceased;
- Declared by a court to be an emancipated minor; or
- Unaccompanied youth who are homeless or at risk of becoming homeless.

Residency Appeals

A student classified as a nonresident may appeal a final university decision within 30 days of notification by the university. Appeals will be accepted only if at least one of the following criteria applies:

1. The decisions were based on:
    1. A significant error of fact by the university;
    2. A significant procedural error by the university; or
    3. An incorrect application of the law which, if corrected would require that the student be reclassified as a California resident; and/or
    4. Significant new information, not previously known or available to the student, became available after the date of the university decision classifying the student as a nonresident and based on the new information, the classification as a nonresident is incorrect.

Instructions to submit an appeal and additional information can be found on the California Residency for Tuition Purposes website.

Appeals via email, fax and U.S. mail will not be accepted. A student with a documented disability who is requesting an accommodation to submit an appeal through the California State University (CSU) website should contact Strategic Enrollment Management at residencyappeals@calstate.edu.

The Office of the Chancellor will either decide the appeal or send the matter back to the university for further review.

A student incorrectly classified as a resident or incorrectly granted an exception from nonresident tuition is subject to reclassification as a nonresident or withdrawal of the exception and subject to payment of nonresident tuition in arrears. If incorrect classification results from false or concealed facts, the student may also be subject to discipline pursuant to Section 41301 of Title 5 of the California Code of Regulations. A student previously classified as a resident or previously granted an exception is required to immediately notify the Admissions Office if the student has reason to believe that the student no longer qualifies as a resident or no longer meets the criteria for an exception.

Changes may have been made in the rate of nonresident tuition and in the statutes and regulations governing residency for tuition purposes in California between the time this information is published and the relevant residency determination date. Students are urged to review the statutes and regulations stated above.

AVERAGE SUPPORT COST PER FULL-TIME EQUIVALENT STUDENT AND SOURCES OF FUNDS

The total support cost per full-time equivalent student (FTES) includes the expenditures for current operations, including payments made to students in the form of financial aid, and all fully reimbursed programs contained in state appropriations. The average support cost is determined by dividing the total cost by the number of FTES. The total CSU 2024-25 budget amounts were $5,234,899,000 from state General Fund (GF) appropriations, $2,614,362,000, from gross tuition revenue, and $2,614,362,000 from other fee revenues for a total of $8,601,958,000. The 2024-25 resident FTES target is 290,598 and the nonresident FTES based on past-year actual is 21,362 for a total of 411,960 FTES. The GF appropriation is applicable to resident students only whereas fee revenues are collected from resident and nonresident students. FTES is derived by dividing the total student credit units attempted by a fixed amount depending on academic level (e.g., 30 for a semester university and 45 for a quarter university, the figures that define a full-time undergraduate or postbaccalaureate student's academic load).

2023-24	Amount	Percentage	Average Cost per FTES

State Appropriation (GF) 1	$ 5,234,899,000	60.9%	$ 13,402
Gross Tuition Revenue 2	$ 2,614,362,000	30.4%	$ 6,346
Other Fees Revenue 2	$ 752,697,000	8.7%	$ 1,827
Total Support Cost	**$ 8,601,958,000**	**100%**	**$ 21,575**

1. *Represents state GF appropriation in the Budget Act of 2024-25; GF is divisible by resident students only (390,598 FTES).*
2. *Represents CSU Operating Fund, gross tuition and other fees revenue amounts submitted in* university *September 2024-25 final budgets. Revenues are divisible by resident and nonresident students (411,960 FTES).*

The 2024-25 average support cost per FTES based on GF appropriation and tuition fee revenue only is $19,748 and is $21,757, with all fee revenue (e.g., tuition fees, application fees, and campus mandatory fees) in the CSU Operating Fund. Of this amount, the average tuition and other fee revenue per FTES is $8,173.

The average CSU 2024-25 academic year, resident, undergraduate student basic tuition and other mandatory fees required to apply to, enroll in, or attend the university is $8,065 ($6,084 tuition fee plus $1,981 average campus-based fees). However, the costs paid by individual students will vary depending on the university, program, and whether a student is part-time, full-time, resident, or nonresident.

Financial Aid

Cal Maritime is committed to making a quality education accessible to all students. We strongly encourage every student - regardless of family income - to apply for financial aid. While it is your responsibility to complete the required applications and documentation, our Financial Aid Office is here to support you every step of the way.

Contact & Resources

- **Office:** Financial Aid Office, (707) 654-1287
- **Email:** financialaid@csum.edu
- **Web:** Financial Aid

Cal Maritime offers a variety of financial aid programs to students needing assistance in financing their education. Funds are made available by the U.S. Department of Education, the State of California, private lending institutions and, with support from our philanthropic donors, Cal Maritime directly. Types of financial assistance include scholarships, grants, loans, and employment opportunities.

Applying for Financial Aid

To apply for financial aid, students should submit a Free Application for Federal Student Aid (FAFSA). The FAFSA is the basic application required for most federal, state, and institutional financial aid. Applications can be submitted beginning October 1 before the start of the academic year (i.e., October 1, 2025, for the 2026-2027 school year). You can apply online at http://www.studentaid.gov. The priority filing deadline to apply is March 2.

Students who meet CA AB540 requirements and are unable to apply via the FAFSA can complete the California Dream Act Application (CADAA) at https://dream.csac.ca.gov/landing.

The CADAA is used to apply for state financial aid, including Cal Grant and the Middle Class Scholarship as well as institutional aid such as the State University Grant (SUG).

Scholarships

Cal Maritime receives annual scholarship funds from individuals, corporations, foundations, and professional associations. The California State University Maritime Academy Foundation manages a number of scholarship endowments, many of them named in memory of distinguished individuals associated with Cal Maritime.

Continuing students may apply on-line for California State University Maritime Academy Foundation scholarships in the spring. Applicants are chosen based on merit (cumulative GPA), need (the student aid index (SAI) from the FAFSA application), leadership, and community service. There may be other determining factors, depending on the donor's wishes. Students are notified before the end of the spring semester of their scholarship award for the next academic year.

Grants

Federal Pell Grant Program

Pell Grants are federally funded available to students pursuing their first undergraduate degree. Grants are awarded based on a student's aid index from the FAFSA and enrollment. Pell Grants are awarded assuming full-time enrollment. The award may be adjusted according to actual enrollment at the add/drop deadline for the term.

Beginning with 2024-2025, the Pell Grant disbursement amounts will now be calculated using Enrollment Intensity - which is a percentage value based on the number of credits a student is enrolled for during a term.

Federal Supplemental Educational Opportunity Grant Program (FSEOG)

SEOG Grants are federally funded, need-based awards available to students pursuing their first undergraduate degree who have exceptional financial need. Priority is given to Federal Pell Grant recipients and those who have completed their FAFSA by March 2. These funds are awarded directly by Cal Maritime and are limited to the total amount allocated to the college by the U.S. Department of Education.

Cal Grant A & B

The California Student Aid Commission (CSAC) awards these grants to California residents who have displayed academic achievement and financial need.

Cal Grant A provides need-based grant assistance to low- and middle-income students to offset tuition costs for high school graduates with at least a 3.0 GPA. Recipients must also meet financial requirements. These awards are limited to the total amount of the system-wide state tuition fees for full-time students.

Cal Grant B provides need-based grant assistance to high-potential students from low-income, disadvantaged families to help offset tuition/fee and other costs for high school graduates with at least a 2.0 GPA. Recipients must also meet financial requirements.

Students must apply for the Cal Grant by completing their FAFSA or CADAA by the March 2 deadline and submitting a GPA verification form. This grant is not available to students who have already received a baccalaureate degree.

Middle Class Scholarship (MCS)

The Middle Class Scholarship is administered by the California Student Aid Commission and provides an amount to help with college expenses for eligible California residents. Students apply for MCS by completing their FAFSA or CADAA by the March 2 deadline.

State University Grants

The State University Grant (SUG) provides need-based awards to cover the state tuition fees for eligible undergraduate students who are California residents or are otherwise determined as eligible. Priority is given to high-need students who have filed their FAFSA or CADAA by March 2 and who have an SAI of 3,250 or less. Students who have their state university fees paid with a Cal Grant or by another outside agency are not eligible to receive this award.

Loans

Federal Direct Student Loans, often referred to as Direct Loans, are loans provided by the U.S. Department of Education to eligible students and parents to help cover the costs of higher education.

These loans include Direct Subsidized Loans, Direct Unsubsidized Loans, and Direct PLUS Loans

Federal Direct Stafford Loans

A subsidized federal direct loan is a government-insured, long-term, low-interest loan for eligible undergraduate students. The federal government pays the interest on the loan while the student remains enrolled in college at least half-time or more. Repayment begins six months after graduation or separation.

An unsubsidized federal direct loan is a long-term, low-interest loan for eligible undergraduate and graduate students who generally do not qualify for other need-based financial assistance, or for students who need loan assistance beyond the maximums provided by the subsidized loan program. Students can pay the interest while in school, or defer payments until the loan goes into repayment.

Federal Plus Loan

A federal direct parent PLUS Loan is a government-insured, long-term, low-interest loan for eligible parents of dependent, undergraduate students who generally do not qualify for other financial assistance. Parents may borrow up to the total cost of their dependent student's education minus any other aid for which the student is eligible.

PLUS loans have a fixed interest rate set on July 1 of each year. Repayment begins 60 days after the funds are fully disbursed, and the repayment term is 10 years. Parents have the option of deferring repayment on PLUS loans while the student is in school, and for a six-month grace period after the student graduates or drops below full-time enrollment.

Dependent students whose parents have been denied a PLUS loan may be eligible to apply for an additional unsubsidized loan.

To qualify for a PLUS loan, the parent must be a U.S. citizen or an eligible non-citizen, have a valid social security number, and pass a credit check.

Private Loans

In addition to the federal loan program, many lenders offer alternative educational loans. At Cal Maritime, we encourage you to look at the federal loans before you take out alternative or private loans.

Student Employment

For many students, employment is a supplement to borrowing. Students should attempt to establish a reasonable balance between their academic efforts and work schedules. Consequently, student employees may not work more than 20 hours per week except during periods when classes are not in session.

Federal Work Study Program

Federal Work-Study (FWS) students receive placement for student employment on campus. FWS is a need-based financial aid program that provides part-time employment for students. Federal Work-Study jobs assist students financially and may provide career-related work experience. Pay rates vary depending on job requirements and student skills. To receive priority consideration, complete the FAFSA by March 2 for the upcoming year.

Students who are interested in a FWS position must make sure they have been awarded FWS. If not, they must contact the Financial Aid Office to see if they are eligible.

Once it is determined that a student has been accepted into the FWS program, he or she will be provided with additional instructions for assistance in finding an on-campus job, and to complete the required paperwork.

Eligibility Requirements for Federal Financial Aid

Each Federal program has its own set of requirements governing the administration and receipt of funds from the program. These requirements are subject to change at any time.

In general, in order to receive financial aid at Cal Maritime, a student must:

- be a U.S. citizen or eligible non-citizen (or otherwise be eligible through CADAA for state aid only)
- be enrolled or accepted for enrollment as a regular matriculated student in a degree program
- be making Satisfactory Academic Progress
- not owe a refund on a federal grant or be in default on a federal education loan
- for state programs such as Cal Grant and State University Grant - be a California resident

Financial Aid Satisfactory Academic Progress

Federal regulations require students maintain Satisfactory Academic Progress (SAP) to remain eligible to receive financial assistance. The SAP policy governs eligibility for all federal and state financial aid programs. (Note: The SAP

Policy for financial aid is separate, different but not any stricter from the CMA Academic Standing Policy, which pertains to eligibility to remain enrolled in courses at CMA).

There are two components required to maintain SAP: a qualitative measure, demonstrated by grade point average (GPA), and quantitative measure which include both a measurement of pace of progression towards a degree and a maximum timeframe for completion of a program of study.

SAP Standards Information

Degree	Minimum Cumulative GPA	Minimum Cumulative Pace of Progress	Maximum Time Frame of Aid Eligibility for Degree Completion
Undergraduate (1st Bachelors)	2.0	66.67%	150% of published degree length
Graduate Degree (Master's)	3.0	66.67%	150% of published degree length

SAP Evaluation Period

Financial Aid SAP will be evaluated at the end of the Spring semester once grades have been finalized and posted. Your SAP status is calculated using your entire academic record from all schools attended, even if you did not receive financial aid. Courses taken in the Summer, Fall, and Spring will be evaluated at the end of the next Spring semester.

Students will be notified via email to the @csum.edu email account on the outcome of their SAP status, this includes "meets" and "not meets" statuses.

SAP Disqualification

Students who fail to meet the SAP standards will be SAP disqualified and ineligible for Federal and State financial assistance. If during the SAP review process, it is determined a student will not be able to meet the quantitative measure (maximum timeframe) by graduation, the student will be ineligible for future financial assistance.

Appealing and Reinstatement of Financial Aid Eligibility

To regain eligibility for financial aid, students may submit an appeal in cases where there have been extenuating circumstances beyond the student's control which prevented him/her from meeting SAP requirements. Examples include the death of a close relative, a serious injury, or an illness. There are three critical elements to filing a successful appeal:

- An explanation why the student failed to meet the academic the academic standards
- What has changed to ensure success in future coursework and;
- An academic plan (signed by an academic or major adviser) that demonstrates the student will be able to meet SAP standards within one year or by a specific point as defined by the plan.

Students who regain eligibility as a result of an appeal will be considered to be on Financial Aid Probation for the period of the plan. Students who fail to meet SAP standards (as defined by the academic plan) or does not follow the academic plan will be ineligible to receive financial aid. No further appeals will be granted unless the student can demonstrate there were extenuating circumstances beyond the student's control which prevented meeting the academic plan. The circumstances must be different circumstances than those for which a prior appeal was granted.

Full SAP policy can be found here: SAP Policy

Continued Enrollment without Financial Aid

Students who are denied aid as a result of Financial Aid SAP policy may continue coursework at Cal Maritime without the benefit of federal or state or campus financial aid. It may be possible for students to receive loans and scholarships from private sources only.

Withdrawal from the California State University Maritime Academy

Courses from which a student withdraws prior to "last day to drop with no grade reported" do not count toward units attempted or completed. Courses dropped after "last day to drop with no grade reported" are counted as units attempted but not completed.

Financial aid recipients are obligated to remain enrolled and pass a certain number of units. Upon a financial aid recipient's withdrawal from school prior to the end of the term, Cal Maritime is required by the federal government to calculate whether a return of financial aid funds is required. Students should refer to the Return Of Title IV Funds section below.

All financial aid recipients should speak to a financial aid counselor to discuss the impact of any proposed changes in enrollment such as dropping a course, repeating a course, or withdrawing from Cal Maritime as any of these changes may impact a student's satisfactory academic progress and thus future eligibility for financial aid.

Return of Title IV Funds (Federal Requirement)

Federal Regulations, 34 CFR 668.22 require schools to calculate the amount of Federal financial aid earned by students who withdraw from an institution. This calculation, Return of Title IV Funds also known as R2T4, must be performed for students who follow the school's formal withdrawal procedures and those who leave without formal notification, the "unofficial" withdrawals.

The purpose of R2T4 is to return to the federal financial aid programs any aid that is "unearned" by the student. These funds are returned first by the institution and second by the student/parent. The philosophy behind the order of return of funds is that since aid is disbursed to meet institutional charges, the campus had control over these funds. Funds disbursed to the student to meet other educationally-related expenses are not under the control of the institution.

Upon a financial aid recipient's withdrawal, Cal Maritime is required by the federal government to calculate, collect, and return a portion of federal financial aid grant or loan funds received by the student if the student has not completed 60% of the number of days in the complete courses taken. The full policy can be found online here: Return of Title IV Policy.

Student Affairs

The Division of Student Affairs enhances the experiences of students both in and outside of the classroom by promoting personal wellness, intellectual development, and emotional growth. From Orientation through Commencement, the Division facilitates leadership and offers high-quality programs and services that foster an inclusive and diverse community.

The Edwards Leadership Development Program

The Edwards Leadership Development Program (ELDP) is a collaborative effort between Academic Affairs, Cadet Leadership & Development, and Student Affairs. For over 10 years, Tom & Libby Edwards have invested into the success of and development of Cal Maritime undergrads and future alumni. ELDP promotes becoming a leader who at all times "does good for the greater good." A leader is a "loyal shipmate," who is ethical, responsive and goal-oriented, strives for excellence, demonstrates integrity, and is confident, ever-learning, and adaptive.

The common foundation required of all graduates is delivered through a combination of academic courses, on-campus and off-campus programs, and participation in the Corps of Cadets. Honors levels of programming may be achieved through various pathways, such as additional academic coursework, athletics, Associated Students activities, and Corps of Cadets leadership positions.

The California State University Maritime Academy has undertaken a multi-year presidential initiative to create and to sustain the finest co-curricular leadership development program at any of the U.S. maritime academies.

The task force charged with this initiative has designed a Cadet Leadership Development Program that offers all students a common leadership foundation with optional honors achievement levels.

Campus Life and Student Services

Cal Maritime provides a range of co-curricular classroom experiences and services that encourage student learning and foster a sense of community. Students are challenged to support community standards within an environment where the principles of Dedication, Honor, Integrity, Respect, Responsibility and Trust are valued and affirmed. Student development programs and services enhance, support, and enrich the academic and training goals of the institution, and provide students with opportunities to learn and practice life skills, citizenship, leadership and wellness.

The purpose of student services and programs is to:

- Assist students with identifying, clarifying and achieving personal, educational, and life goals.
- Improve the quality of student life.
- Provide opportunities for students to participate in social, cultural, recreational, and community experiences.
- Enhance the campus learning environment.
- Improve student access and retention.

Associated Students

Located in Mayo Hall, the Associated Students, Inc. (ASI), a non-profit student-run corporation chartered with California's Secretary of State, utilizes student funds to create and operate programs to benefit the student community. The Associated Students of the California Maritime Academy (ASCMA) fee is paid by all students.

A student Board of Directors, elected each year, governs the Association. The Board is comprised of a president, executive vice president, vice president of student affairs, chief of staff, and officers from each class. The Board meets throughout the fall and spring semesters.

ASCMA's services and programs are designed to enrich campus life and to help support many campus organizations. ASCMA officers also serve as the elected representatives of students, and work to protect students' rights.

You can find us located in Mayo Hall, 2nd Floor.

Housing and Residential Life

It is the policy of Cal Maritime that students enrolled in its baccalaureate degree programs shall maintain residence on campus and participate in a meal plan. All undergraduate students are required to live on campus and purchase a meal plan as part of their educational experience at Cal Maritime. Decades of research and best practices in higher education support the added benefits of living on campus. Students who live on campus take and earn more credit hours, have higher GPAs and are more likely to graduate than their off-campus counterparts.

Housing & Residence Life engages with residents by:

- Providing live-on professional and student staff to engage to support student success.
- Fostering community within the residence halls through a combination of events, programs, conflict mediation and individual support to student needs.
- Providing 24/7 emergency response and collaborating with University Police, health services and local emergency resources to support students as needed.

Off Campus Petition: Students may be exempt from living on-campus for a variety of reasons. Please refer to the **Housing & Residential Life** website for the most current policy.

Our office is located in Upper Residence hall 1st Floor, or email us at housing@csum.edu

Student Health and Wellness

The **Student Health Center** provides confidential, high quality, and easily accessible outpatient primary care services on campus to all Cal Maritime students. We favor an approach that uses health education to help students understand how to make informed decisions about their health and wellness.

Services are available:
Monday-Friday, 8:30 a.m. to 5 p.m.
(Closed 1-2 p.m.)
(707) 654-1170

- An After-Hours Assistance Line is available for physical and mental health concerns (707-654-1170, ext. 1) offering confidential health care advice and information

Students are encouraged to utilize the Student Health Center for the majority of their health care needs. Same day appointments with a medical provider (nurse practitioner, physician, or physician assistant) are available as well as scheduled appointments. Common reasons for visits include physical examinations, men's and women's health consultations, illness, injuries, and personal health concerns.

The Student Health Center also offers basic laboratory tests, many common prescription medications, and referrals to off-campus specialists as needed using students' insurance coverage. In addition, Counseling and Psychological Services within the Student Health Center provides confidential, short-term, mental health counseling with a licensed professional. Most services provided by the Student Health Center are at no or low cost. Students are financially responsible for services received outside the Student Health Center.

Medical Services

The Student Health Center provides the following health care services to regularly enrolled students:

- primary care of medical conditions, illnesses, and injuries
- physical examinations, including pre-cruise and USCG physicals
- family planning services, excluding surgical procedures
- health education programs
- several common immunizations for the prevention and control of communicable diseases and referrals for immunizations not available at the Student Health Center
- evaluation and counseling for individual health problems (including screening and prevention)
- dispensing of many common non-prescription and prescription medications, at limited or no additional cost
- basic laboratory testing
- usage and maintenance of a confidential and secure electronic medical record system
- referrals to health care providers in the community for services beyond the scope of the Student Health Center (at the student's own expense), including drug and alcohol-related concerns
- consultative services on health-related issues on campus
- health care on the Training Ship GOLDEN BEAR summer cruises

Counseling and Psychological Services (CAPS)

CAPS is an integrated service within Student Health Services (SHS). CAPS has offices located within the Student Health Center, as well as on the Training Ship Golden Bear as part of the medical team during Summer Sea Term. CAPS provides confidential, high quality, and accessible mental health services to all enrolled students. This includes assistance to students experiencing personal, educational, interpersonal/relationship, family, social, and other psychological difficulties. These services include individual and group counseling, consultation, assessment, crisis support, education, prevention, and outreach. There are no additional charges for counseling services. Consultation is available to faculty and staff who may have questions or concerns regarding students. While on campus or at sea, the care of certain illnesses, injuries, or conditions may require hospitalization or services beyond our scope of care. In these instances, CAPS assists students throughout the process of obtaining additional care.

Mission: CAPS believes that personal development and mental health are inherently connected to intellectual, academic, and professional success. Cal Maritime's overarching mission is served by providing students with access to holistic health and wellness. CAPS strives to support this mission by delivering a variety of services for individuals and groups that promote personal growth, self-awareness, coping skills, support during times of crisis, professionalism, and a healthy campus environment. Moreover, CAPS supports a multicultural worldview that endeavors to work toward greater health equity for all students. CAPS counselors are dedicated to creating an open and welcoming environment that is safe and comfortable for all those whom we serve and with whom we interact.

Appointments: To make an appointment with a CAPS counselor call (707-654-1170) or visit SHS. Counseling sessions generally occur between 0800 and 1700, Monday through Friday, and are typically 45 minutes. Urgent Care Walk-In appointments are available M-F from 2:00-3:00 pm (no scheduled appointment needed). For assistance after hours, call the After-Hours Assistance Line (707-654-1170, ext. 1) to speak with a professional, confidential professional. More information is also available on the **CAPS website**.

Mandatory Health Insurance

Due to the special nature of the educational experience at Cal Maritime, which typically includes international travel and/or a training cruise, students are required to be covered by health insurance. All matriculated Cal Maritime students are automatically enrolled in and charged for the school's student health insurance plan unless they get a waiver approved for having their own similar coverage. The online health insurance waiver is submitted annually by the designated deadline and subsequently reviewed for approval.

Office of Inclusion Initiatives / Inclusion Center

Cal Maritime is dedicated to cultivating a campus culture where every student feels connected, supported, and empowered to succeed. Our focus is on fostering a strong sense of belonging, shared responsibility, and global citizenship that reflects the Academy's maritime mission and leadership values.

Through meaningful programming, cultural exploration, and student-led initiatives, we encourage students and cadets from all backgrounds to build lasting community, expand their understanding of the world, and contribute to a respectful, mission-aligned campus environment. We celebrate the unique journeys and perspectives that enrich our campus life and prepare students to lead with integrity and cross-cultural competence in an interconnected world.

All students are welcome to engage, collaborate, and take part in building a supportive and inclusive Cal Maritime experience rooted in unity, service, and shared purpose.

All university programs and activities are open and available to all regardless of race, sex, color, ethnicity or national origin.

Cal Maritime complies with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, the Americans with Disabilities Act (ADA), Section 504 of the Rehabilitation Act, the California Equity in Higher Education Act, California's Proposition 209 (Art. I, Section 31 of the California Constitution), other applicable state and federal anti-discrimination laws, and CSU's Nondiscrimination Policy. We prohibit discriminatory preferential treatment, segregation based on race or any other protected status, and all forms of discrimination, harassment, and retaliation in all university programs, policies, and practices.

You can find the Inclusion Center at Morrow Cove.

Academic Support Services

Educational Opportunity Program (EOP)

Established at Cal Maritime in 2015, the **Educational Opportunity Program** provides academic, social, and financial support to students from low-income and historically disadvantaged backgrounds. Students apply to EOP when they apply for admission to the university.

You can find us in Morrow Cove.

Accessibility & Disability Services

The **Accessibility Disability Services Office** (ADSO) is committed to supporting the academic success of Cal Maritime students who have documented disabilities. Support services and information resources are provided to individual students who self-identify. Students seeking accommodations should follow these steps to complete an application for assistance through the DSO:

1. Read the guidelines for documentation/verification of their disability. (Guidelines may differ according to disability.)
2. Submit an application for services with supporting verification documents to the ADSO.
3. Schedule an intake appointment.

Instructions and forms are available at the Disability Services website.

Find us in the Student Services Building for general services and Testing Center, or email us at ADSO@csum.edu.

Community Engaged Learning CELC

Community engagement and service-learning have existed within the CSU since the first campus opened in 1857. Through community engagement and reflective activities, students enhance and develop their civic responsibility, self-awareness, and leadership skills. Courses with embedded service-learning teach real world application of classroom theory and build a sense of community and shared values.

Through collaboration with faculty, staff, community partners and your fellow undergrads, CELC provides a multitude of opportunities to learn, serve, and grow as a community member.

You can find us in Mayo Hall, 2nd Floor.

Early Assessment Program

The Early Assessment Program (EAP) was established by the State Board of Education, Department of Education, and the CSU with the goal of allowing high school graduates to enter the CSU fully prepared to begin college-level work. The program works with local high school students, teachers, and administrators to achieve this goal. Cal Maritime students may choose to serve as mentors and academic tutors at local high schools through EAP.

Career Services

Career Services is responsible for assisting with graduate employment, Sea Training II coordination, and cooperative internships. Our staff is available to assist in résumé building, interview skills, career development workshops, and career advising.

Mission

Career Services seeks to complement the academic mission of Cal Maritime by educating and empowering students to take ownership of their professional development as a lifelong learner and to function successfully in a global society.

- In partnership with **students and alumni**, career services will facilitate career exploration, career decision-making, and guiding them toward their career selections.
- In partnership with **faculty and university staff**, career services will provide information, programs, and consultations to help them better understand the career-related needs of students.
- In partnership with **employers**, career services will maintain existing, as well as develop new, relationships with employers who have an on-going interest in the employment potential and careers of students and alumni.

Career Fair: Each year, Career Services hosts two career fairs that attract companies from all across the country. These events are open to all current students and alumni. Exhibitors include maritime companies, engineering firms, a broad base of business and logistics companies, graduate schools, non-profit agencies, and community partners.

You can find us in Mayo Hall, 2nd floor.

New Student & Family Programs

From Orientation through Commencement, New Student & Family Programs is there. Organizing education and outreach to family, friends and loved ones, NSFP provides resources, guidance and resources to those looking to help

support their undergraduate at Cal Maritime. This includes playing a pivotal role in the hosting of some of the campuses largest events, including Orientation, Parent & Family weekend, Commencement and more.

For direct support reach out to Vineeta Dhillon, vdhillon@csum.edu

Student Conduct & Ethical Development

The Student Conduct & Ethical Development (SCED) at California State University Maritime Academy administers the student conduct system. Cal Maritime is unique among the CSU campuses, in that we are both a university and a maritime academy. We administer both the California State University *Standards for Student Conduct* and the *Corps of Cadets Code of Conduct*.

This office ensures a fair and impartial administration of the disciplinary process while guiding students through it; educating students about their responsibilities; and protecting the rights of all members of the community. The office address student behavior through the Discipline Review Hearings (campus-based administrative hearings), and Captain's Masts (shipboard administrative hearings).

Though some behaviors can put at student at risk of separation from the university, aim is to coach/develop students to learn from their mistakes, take accountability for their actions, and see them grow through valuing integrity and considering others.

This office operates out of the Dean of Students unit, and can be located in either Mayo Hall, 1st Floor (Conduct Office) or Morrow Cove (Deputy Dean of Students Office).

Marine Programs

Office of Marine Programs | Cal Poly Maritime

Discover Real-World Training at Sea

The **Office of Marine Programs** is at the core of Cal Maritime's distinctive, hands-on education-setting the course for cadet success through immersive, real-world maritime training. This dynamic department oversees **Waterfront Operations**, **Training Ship** *Golden Bear*, and the **Commercial Sea Term**, ensuring cadets in licensed programs are exceptionally prepared for the challenges and opportunities of the maritime industry.

Waterfront and Maritime Operations

From your very first day, you'll step into an unparalleled learning environment at Cal Maritime's historic **Boathouse and Marina**. Here, cadets train on a wide range of vessels, from traditional rowboats to modern workboats, tugboats, and T-boats. Our **small boat handling program** is regarded as one of the finest in the nation, giving students a strong foundation in seamanship and vessel operations.

Throughout the academic year, the **Maritime Operations Department** offers specialized training in water safety, shipboard operations, vessel maintenance, and maritime management. You'll progress through our fleet, starting with double-ended rowboats and advancing to more complex vessels, all while building confidence and competency on the water.

Training Ship *Golden Bear*

At the heart of your maritime education is **Training Ship** *Golden Bear*-a 500-foot floating classroom docked right in Cal Maritime's front yard. Every cadet trains aboard *Golden Bear* during the academic year, applying classroom theory to real-world maritime systems while developing leadership within the **Corps of Cadets**.

Each summer, first- and third-year cadets embark on a two-month **Summer Sea Term** aboard the Golden Bear. Led by ship crew, licensed faculty and industry professionals, this voyage is an immersive experience in **navigation, engineering, operations, and leadership**. Cadets also complete the U.S. Coast Guard **Lifeboatman certification**, passing both written and practical exams.

The ship features a **multi-million-dollar Navigation Laboratory** equipped with state-of-the-art systems-making the Golden Bear one of the premier navigation training platforms in the country.

More than a training cruise, the **Summer Sea Term** is a journey of professional growth and global awareness. As cadets visit international ports, they engage with other cultures and develop the cross-cultural competence essential in today's maritime world.

Commercial Sea Term

In your second year, you'll take your training to the next level by joining a **commercial vessel** through the **Commercial Sea Term**. This is your first professional immersion into the maritime industry-working shoulder-to-shoulder with licensed mariners, gaining insight into real-world operations, and navigating the complexities of global shipping.

From bridge operations and cargo handling to engine room systems, you'll see your classroom knowledge come alive in a commercial context. It's a rare opportunity to **refine your skills, demonstrate your readiness, and build career-shaping industry connections**.

Launch Your Maritime Career

Whether it's through small boat training, global sea voyages, or commercial shipping experience, the **Office of Marine Programs** equips you with the technical expertise, leadership skills, and global perspective that define a Cal Maritime graduate.

Contact Us: 707-654-1192
Your journey begins here

Military Opportunities

There is no armed service obligation requirement to graduate from the Cal Maritime. However, several military options are available that can offer financial aid and additional career opportunities.

U.S. Navy - Strategic Sealift Midshipmen Program (SSMP)

The Naval Science Department prepares students to participate in the Strategic Sealift Midshipmen Program (SSMP), a joint program established in 1925 between the U.S. Navy and the U.S. Merchant Marine. This is a program unique to maritime schools. It allows students who have earned U.S. Coast Guard licenses as merchant marine deck or engine officers to be commissioned as Ensigns in the Naval Reserve upon graduation. SSOs normally serve on inactive duty in the Individual Ready Reserve Group, allowing them to work as civilians in the maritime industry without the monthly

drill requirement. They are called to serve on active duty when required to support major military sealift operations that call for the training and experience of licensed merchant marine officers. The program also offers the option to pursue an active duty commission upon graduation as an unrestricted line officer.

Eligibility

To participate in the SSMP, students must meet the following qualifications:

- be no older than 42 years by December 31 of commissioning year, waived to 45 years for prior military service
- pass a Department of Defense physical examination
- pass a semi-annual physical readiness test
- be enrolled in a degree program with a U.S. Coast Guard license option
- be in good academic standing, with a GPA of 2.5 or better

Students will be offered the opportunity to join the SSMP in their first year at Cal Poly Maritime. Applications will be reviewed by the Officer-in-Charge of the Department of Naval Science. Successful applicants will receive appointments as Midshipmen, U.S. Navy Reserve.

Benefits

Midshipmen between the ages of 17 and 42 are eligible to receive a Student Incentive Payment each semester ($64,000 total distributed over four years) from the Federal Maritime Administration (MARAD).

Program Requirements

Midshipmen (SSO students) meet for weekly leadership and physical training sessions at Cal Poly Maritime, and take additional Naval Science classes. Specifically, midshipmen must complete the following courses:

- NSC 100 - Naval Science for the Merchant Marine Officer/Strategic Sealift Officer
- NSC 200 - Naval Science II for the Strategic Sealift Officer
- NSC 400 - Leadership, Ethics, and Naval Science for the Merchant Marine Reservist II
- NSC 450 - Advanced Midshipman Naval Training

Obligation

Upon graduation, midshipmen are commissioned as Ensigns in the U.S. Navy Reserve. They are obligated to maintain their Coast Guard license and participate in the Navy Reserve for eight years, during which time they will perform two weeks of active duty per year. In addition, they are required to maintain employment in the maritime industry for three years.

Contact Information

Contact the Strategic Sealift Office in the Student Services Building for more information at Cal Poly Maritime Academy.

Further information may also be found at https://www.navyreserve.navy.mil/Resources/SSO-Tool-Kit/

Officer in Charge
LT Tyler Evans
tevans@csum.edu

Assistant Officer in Charge

LT Jonathan Sparks

jsparks@csum.edu

ROTC

In addition to the above programs, Cal Maritime provides Army, Navy, and Air Force ROTC programs through arrangements with other universities in the area.

Police Services

Cal Maritime Academy Police Services provides 24 hours service on and around campus. Our mission is to provide a safe living and learning environment for our community. Sworn and non-sworn staffs work closely with our community to prevent crime, enforce laws, preserve peace, and provide educational programs. We are the first responders to campus emergencies. Officers conduct foot and vehicle patrols on campus, including interior patrols of the campus residence halls.

Some of our safety programs include: Safety Escort Program; Drug/Alcohol Program ; Don't Stall-Call; Blue Light Emergency Phones; Operation I.D.; If I Were a Thief; and, Disabled Vehicle Assistance.

Police Services has three primary areas of responsibility: policing and patrol services; emergency preparedness; and parking/alternative transportation. For more information, please visit us at: https://maritime.calpoly.edu/campus/university-police.

Annual Security and Fire Safety Reports

The Annual Security Report is required by federal law and contains policy statements and crime statistics for the University. The policy statements address the University's policies, procedures and programs concerning safety and security, for example, policies for responding to emergency situations and sexual offenses. Three years' worth of statistics are included for certain types of crimes that were reported to have occurred on campus, in or on off campus buildings or properties owned or controlled by the University and on public property within or immediately adjacent to the campus. This report is available online at https://maritime-archive.calpoly.edu/clery/index.html.

The Annual Fire Safety Report contains information on emergency and evacuation procedures, fire safety equipment and fire statistics in the residence hall. Three years' worth of fire statistics and fire evacuation drills in the residence halls are included. This report is available online at https://maritime-archive.calpoly.edu/safety/media/fire-safety-report.pdf.

You may request a paper copy of either report from Police Services located in the Police Services building at 200 Maritime Academy Dr., Vallejo CA 94590.

Emergency Preparedness

Cal Maritime maintains a comprehensive Emergency Management Program that includes: (1) Risk mitigation; (2) Emergency preparedness; (3) Emergency response; (4) Recovery from emergencies that overwhelm campus resources; and, (5) the circumstances under which CSUMA's Emergency Response Plan should be activated.

The Emergency Response Plan provides the basic structure and procedures that guide the campus's response to extraordinary situations associated with natural and man-made disasters. CSUMA personnel and equipment will be utilized with the following sequential priorities: Priority I- Protection of life safety; Priority II- Maintenance of life support and assessment of damages; Priority III- Restoration of general campus operations; and, Priority IV- Financial reimbursement through the appropriate state and federal agencies. As operations progress from Priority I through IV, the administrative control of the campus will transition from the NIMS/SEMS/ICS structure back to the normal CSUMA organizational structure. The entire Emergency Response Plan is available at: https://maritime-archive.calpoly.edu/safety/media/campussafetyplan.pdf.

Parking and Transportation

The use of transportation and parking at Cal Maritime is considered a privilege that is granted subject to compliance with California law and The CSU Maritime Academy Parking Rules and Regulations. Parking is limited; therefore, a campus permit is required for all students, faculty, staff, and guests. Due to limited space and high demand for parking on campus, new incoming students must submit a waiver request to be considered for approval to purchase a permit. This form and detailed parking rules and regulations can be found here: maritime-archive.calpoly.edu/police-department/parking-and-transportation/index.html.

Veteran Services

Cal Poly Maritime, Solano Campus is approved by the State of California as a training facility for VA educational benefits. Cal Poly provides VA enrollment certification services to new and currently enrolled veterans and dependents who are eligible for Veterans Affairs Educational Benefits and Cal Vet Education Benefits. For information about financial aid outside VA educational benefits, visit the Financial Aid office website at: https://maritime.calpoly.edu/admissions/tuition-and-financial-aid

The following educational benefits are available to veterans and dependents at Cal Poly Maritime:

- Chapter 30 (Montgomery GI Bill® - Active Duty)
- Chapter 31 (Vocational Rehabilitation)
- Chapter 33 (Post-9/11 GI Bill®)
- Chapter 1606 (Montgomery GI Bill® - Reservists)
- Chapter 1607 (Reserve Educational Assistance Program)
- Chapter 35 (Dependents Educational Assistance)
- Dependent Fee Waiver

GI Bill® is a registered trademark of the U.S. Department of Veterans Affairs (VA). More information about education benefits offerd by VA is available at the official U.S. government website at http://ww.benefits.va.gov/gibill.

Resource Links

- California Veterans Initiative http://calstate.edu/veterans/
- U. S. Department of Veterans Affairs http://www.gibill.va.gov/
- California Department of Veterans Affairs https://www.calvet.ca.gov/veteran-services-benefits/education

For further information regarding VA Educational Benefits, please email veterans@csum.edu which is checked by the veterans-certifying official(s) in the Office of the Registrar.

Appendix

Policy Statements

Privacy Rights of Students In Education Records

The federal Family Educational Rights and Privacy Act of 1974 (20 U.S.C. 1232g) (FERPA) and regulations adopted thereunder (34 C.F.R. 99) set out requirements designed to protect students' privacy in their educational records maintained by the university. The statute and regulations govern access to certain student records maintained by the university and the release of those records. FERPA provides that the university must give a student access to most records directly related to the student and must also provide an opportunity to correct the records if the student believes the records are inaccurate, misleading, or otherwise inappropriate. The right to petition to correct a record under FERPA does not include the right to challenge the appropriateness of a grade determined by the instructor. In addition, FERPA generally requires the university obtain a student's written consent before releasing personally identifiable data pertaining to the student. The university has adopted a set of policies and procedures governing the implementation of FERPA and its regulations. Among the information included in the university statement of policies and procedures is:

1. The student records maintained and the information they contain;
2. The university official responsible for maintaining each record;
3. The location of access lists identifying persons requesting or receiving information from the record;
4. Policies for reviewing and expunging records;
5. Student access rights to their records;
6. Procedure for challenging the content of student records; and
7. The student's right to file a complaint with the Department of Education, which enforces FERPA. The Department of Education has established an office and review board to investigate complaints and adjudicate potential FERPA violations. The designated office is: Student Privacy Policy Office, U.S. Department of Education, 400 Maryland Avenue, SW, Washington, D.C. 20202-5920.

FERPA authorizes that the university may release "directory information" pertaining to students. "Directory information" may include the student's name, address, telephone listing, electronic mail address, photograph, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, grade level, enrollment status, degrees, honors, and awards received, and the most recent previous educational agency or institution the student attended. The university may release this "directory information" unless the university has received prior written objection from the student specifying the information the student requests not be released. Written objections must be sent to the Office of the Registrar.

FERPA authorizes the university to provide access to student records without prior student consent to university officials, employees and others who have legitimate educational interests in such access. These persons include those with legitimate reasons to access student records to perform the university's academic, administrative or service functions, and those with a reason for accessing student records associated with their university or other related academic responsibilities. Student records will also be disclosed to the CSU Chancellor's Office to conduct research, to analyze trends, or to provide other administrative services. Student records may also be disclosed without prior student consent to other persons or organizations under certain conditions (e.g., as part of the accreditation or program evaluation, in response to a court order or subpoena, in connection with financial aid, or to other institutions to which the student is transferring).

Nondiscrimination Policy and Complaint Procedures

Protected Status: Age, Genetic Information, Marital Status, Medical Condition, Nationality, Race or Ethnicity (including color, caste, or ancestry), Religion or Religious Creed, and Veteran or Military Status.

The California State University does not discriminate on the basis of age, genetic information, marital status, medical condition, nationality, race or ethnicity (including color, caste and ancestry), religion (or religious creed), and veteran or military status - as these terms are defined in the in its programs and activities, including admission and access. Federal and state laws, including Title VI of the Civil Rights Act of 1964 and the California Equity in Higher Education Act, prohibit such discrimination. Dr. Carol D. Branch, Title IX and Civil Rights Coordinator has been designated to coordinate the efforts of Cal Maritime to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this person at 200 Maritime Academy Drive, Vallejo, CA 94590, (707) 654-1178. The Interim CSU Nondiscrimination Policy-Student Respondent Procedures (or any successor procedure) is the systemwide procedure for all complaints or discrimination, harassment or retaliation **made against** other CSU students**.** The Interim CSU Nondiscrimination Policy-Employee or Third-Party Respondent Procedures (or any successor procedure) is the system wide procedure for all complaints of discrimination, harassment or retaliation made against the CSU, a CSU employee or a third party.

Protected Status: Disability

The California State University does not discriminate on the basis of disability (physical and mental) - as this term is defined in the Interim CSU Nondiscrimination Policy - in its programs and activities, including admission and access. Federal and state laws, including sections 504 and 508 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, prohibit such discrimination. **DeAna S Vides** has been designated to coordinate the efforts of the CSU Maritime Academy to comply with all applicable federal and state laws prohibiting discrimination on the basis of disability. Inquiries concerning compliance may be presented to this person at 200 Maritime Academy Drive, Vallejo, CA 94590. The Interim CSU Nondiscrimination Policy-Student Respondent Procedures(or any successor procedure) is the systemwide procedure for all complaints of discrimination, harassment or retaliation **made against, other CSU students**. The Interim CSU Nondiscrimination Policy-Employee or Third-Party Respondent Procedures (or any successor procedure) is the systemwide procedure for all complaints of discrimination, harassment or retaliation **made against the CSU, a CSU employee or a third party.**

Protected Status: Gender (or sex), Gender Identity (including nonbinary and transgender), Gender Expression and Sexual Orientation

The California State University does not discriminate on the basis of gender (or sex), gender identity (including nonbinary and transgender) gender expression, pregnancy and sexual orientation - as these terms are defined in CSU policy - in its programs and activities, including admission and access. Federal and state laws, including Title IX of the Education Amendments of 1972, prohibit such discrimination. Dr. Carol D. Branch has been designated to coordinate the efforts of Cal Maritime to comply with all applicable federal and state laws prohibiting discrimination on these bases. Inquiries concerning compliance may be presented to this person at 200 Maritime Academy Drive, Vallejo, CA 94590, (707) 654-1178.

The California State University is committed to providing equal opportunities to all CSU students in all university programs, including intercollegiate athletics. The Interim CSU Nondiscrimination Policy-Student Respondent

Procedures or Track 1 (Federal Mandated Hearing Process or any successor policy) are the systemwide procedures for all complaints of discrimination, harassment or retaliation made against other CSU students. The Interim Procedure (or any successor procedure) are the systemwide procedure for all complaints of discrimination, harassment or retaliation made against the CSU, a CSU employee or a third party.

Track 1 (Federal Mandated Hearing Process) applies to Complaints against a Student, Employee, Third Parties, and/or Student-Employees where the alleged conduct:

1. Meets the definition of Sexual Harassment as defined in Article V.B of the Nondiscrimination Policy (also defined in Track 1, Article II.K); **and**
2. Occurred in the United States; **and**
3. Occurred in an education program or activity at the university, as defined in Track 1, Article II.E.

As a matter of federal and state law and California State University policy, the following types of conduct are prohibited:

Discrimination is conduct that causes harm to a Complainant based on their actual or perceived Protected Status within the CSU's educational programs, activities, or employment which results in the denial or limitation of services, benefits, or opportunities provided by the CSU. Under the CSU Nondiscrimination Policy, the definition of Discrimination includes:

- Different Treatment Discrimination: Different Treatment Discrimination occurs when the Complainant is: 1) treated less favorably; 2) than other similarly situated individuals under similar circumstances; 3) because of the Complainant's actual or perceived Protected Status; and 4) not for a legitimate, nondiscriminatory reason. Insignificant or trivial actions or conduct not reasonably likely to do more than anger or upset a Complainant do not constitute "Different Treatment Discrimination."
- Under this Nondiscrimination Policy, discrimination in employment includes any adverse employment action or conduct that is reasonably likely to impair the Employee's job performance or prospects for advancement or promotion.
- An allegation that an Employee is receiving unequal pay because of their Protected Status (for example, under the California Equal Pay Act) constitutes a Discrimination Complaint under this Nondiscrimination Policy.

Harassment means unwelcome verbal, nonverbal, or physical conduct engaged in because of an individual Complainant's Protected Status. Harassment includes but is not limited to, verbal harassment (e.g., epithets, derogatory comments, or slurs), physical harassment (e.g., assault, impeding or blocking movement, or any physical interference with normal work or movement), and visual forms of harassment (e.g., derogatory posters, cartoons, drawings, symbols, or gestures.). Single, isolated incidents will typically be insufficient to rise to the level of Harassment.

Harassment may occur when:

Submitting to, or rejecting verbal, nonverbal, or physical conduct is explicitly or implicitly a basis for:

- Any decision affecting a term or condition of the Complainant's employment; or
- Any decision affecting a Complainant's academic status or progress, or access to benefits and services, honors, programs, or activities available at or through the University.

OR

- The conduct is sufficiently severe or pervasive so that its effect, whether intended or not, could be considered by a reasonable person under similar circumstances and with similar identities, and is in fact considered by the Complainant, as creating an intimidating, hostile, or offensive work or educational environment that denies or substantially limits an individual's ability to participate in or benefit from employment and/or educational, services, activities, or other privileges provided by the CSU.

Whether a hostile environment has been created is a fact-specific inquiry that includes consideration of the following:

- The frequency, nature, and duration of the conduct;

- Whether the conduct was physically threatening;
- Whether the conduct arose in the context of other discriminatory conduct or other misconduct;
- The degree to which the conduct affected the Complainant's ability to access the CSU's educational programs, activities, or employment;
- The Parties' ages, roles within the CSU's educational programs or activities, previous interactions, and other factors about each Party that may be relevant to evaluating the effects of the conduct; and
- Other Harassment in the CSU's educational programs, activities, or employment.

Sexual Harassment

- **Sexual Harassment** means unwelcome verbal, nonverbal or physical conduct of a sexual nature that includes, but is not limited to, sexual advances, requests for sexual favors, offering employment benefits or giving preferential treatment in exchange for sexual favors, or any other conduct of a sexual nature. There are two kinds of Sexual Harassment:
- **Quid pro quo**: Quid pro quo is Latin for "this for that" and occurs when an Employee, agent, or other person in a position of power conditions an employment or educational benefit or service on submission to sexual advances or other conduct based on sex. Quid pro quo harassment exists when submitting to, or rejecting, the verbal, nonverbal or physical conduct is explicitly or implicitly a basis for:
- Any decision affecting a term or condition of the Complainant's employment; or
- Any decision affecting a Complainant's academic status or progress, or access to benefits and services, honors, programs, or activities available at or through the University.

OR

- **Hostile environment harassment** is unwelcome sex-based conduct that, based on the totality of the circumstances, is subjectively and objectively offensive and so severe, persistent, or pervasive that it limits or denies the Complainant's ability to participate in or benefit from the CSU's educational programs, activities, or employment. Hostile environment harassment must either:
- Create an intimidating, hostile or offensive work environment; or
- Limit a Student's ability to participate in or benefit from the services, activities, or opportunities offered by the University. Whether a hostile environment has been created is a fact-specific inquiry that includes consideration of the following:
- The frequency, nature, and duration of the conduct;
- Whether the conduct was physically threatening;
- Whether the conduct arose in the context of other discriminatory conduct or other misconduct;
- The degree to which the conduct affected the Complainant's ability to access the CSU's educational programs, activities, or employment;
- The Parties' ages, roles within the CSU's educational programs or activities, previous interactions, and other factors about each Party that may be relevant to evaluating the effects of the conduct; and
- Other Sexual Harassment in the CSU's educational programs, activities, or employment. Sexual Harassment could include being forced to engage in unwanted sexual contact as a condition of membership in a student organization or in exchange for a raise or promotion; being subjected to video exploitation or a campaign of sexually explicit content; or frequently being exposed to unwanted images of a sexual nature in a work environment, or in a classroom where the images are unrelated to the coursework. Claiming that the conduct was not motivated by sexual desire is not a defense to a Complaint of Sexual Harassment.

Sexual Misconduct

All sexual activity between members of the CSU community must be based on **Affirmative Consent**. Engaging in any sexual activity without first obtaining Affirmative Consent to the specific activity is Sexual Misconduct, whether or not the conduct violates any civil or criminal law.

1. Sexual activity includes, but is not limited to:
    - Kissing
    - touching intimate body parts
    - fondling
    - intercourse
    - penetration, no matter how slight, of the vagina or anus with any part or object
    - oral copulation of a sex organ by another person.
2. Sexual Misconduct includes, but is not limited to, the following conduct:
    - an attempt, coupled with the ability, to commit a violent injury on the person of another because of that person's Gender or Sex,
    - the intentional touching of another person's intimate body parts without Affirmative Consent,
    - intentionally causing a person to touch the intimate body parts of another without Affirmative Consent,
    - using a person's own intimate body part to intentionally touch another person's body without Affirmative Consent,
    - any unwelcome physical sexual acts, such as unwelcome sexual touching,
    - using physical force, violence, threat, or intimidation to engage in sexual activity,
    - ignoring the objections of the other person to engage in sexual activity,
    - causing the other person's incapacitation through the use of drugs or alcohol to engage in sexual activity,
    - taking advantage of the other person's incapacitation to engage in sexual activity.
3. Intimate body part means the sexual organ, anus, groin, buttocks, or breasts of any person.
4. Sexual activity between a Minor (a person younger than 18 years old) and a person who is at least 18 and two years older than the Minor always constitutes Sexual Misconduct, even if there is Affirmative Consent to all sexual activity. The existence of Affirmative Consent and/or the type of sexual activity may be relevant to the determination of an appropriate Sanction.
5. Persons of all Genders, Gender Identities, Gender Expressions, and Sexual Orientations can be victims of these forms of Sexual Misconduct. Sexual Misconduct can be committed by an individual known to the victim including a person the Complainant may have just met, i.e., at a party, introduced through a friend, or on a social networking website.

Affirmative Consent means an agreement to engage in sexual activity that is informed, affirmative, conscious, voluntary, and mutual. Affirmative Consent must be given freely and without coercion, force, threats, intimidation, or by taking advantage of another person's incapacitation. It is the responsibility of each person involved in the sexual activity to ensure Affirmative Consent has been obtained from the other participant(s) prior to engaging in the sexual activity.

- Affirmative consent is given by clear words or actions. Affirmative consent includes knowledge and agreement to engage in the specific sexual activity.
- Affirmative Consent must be ongoing throughout a sexual activity and can be withdrawn or revoked at any time, including after sexual activity begins. Once consent is withdrawn or revoked and clearly communicated, the sexual activity must stop immediately.
- Consent to one form of sexual activity or one sexual act does not constitute consent to other forms of sexual activity. Consent given to sexual activity on one occasion does not constitute consent on another occasion.
- Affirmative Consent cannot be inferred from an existing or previous dating, social, or sexual relationship between the Parties.
- Silence does not mean there is Affirmative Consent.
- Lack of protest or resistance does not mean there is Affirmative Consent.
- A request for someone to use a condom or birth control does not, in and of itself, mean there is Affirmative Consent.
- Affirmative Consent cannot be given by a person who is incapacitated. A person is unable to consent when asleep, unconscious, or incapacitated due to the influence of drugs, alcohol, or medication.

Incapacitation: A person is incapacitated if they lack the physical and/or mental ability to make informed, rational decisions about whether or not to engage in sexual activity. A person with a medical or mental disability may also lack the capacity to give consent. Incapacitation exists when a person could not understand the fact, nature, or extent of the sexual activity.

It shall not be a valid excuse that a person affirmatively consented to the sexual activity if the Respondent knew or reasonably should have known that the person was unable to consent to the sexual activity under any of the following circumstances:

- The person was asleep or unconscious;
- The person was incapacitated due to the influence of drugs, alcohol, or medication, so that the person could not understand the fact, nature, or extent of the sexual activity; or
- The person was unable to communicate due to a physical or mental condition.
- It shall not be a valid excuse that the Respondent believed that the person consented to the sexual activity under either of the following circumstances:
- The Respondent's belief in Affirmative Consent arose from the intoxication or recklessness of the Respondent;
- The Respondent did not take reasonable steps, in the circumstances known to the Respondent at the time, to ascertain whether the person affirmatively consented.
- Whether an intoxicated person (as a result of using alcohol, drugs, or medication) is incapacitated will require an individualized determination about the extent to which the alcohol or other drugs impact the person's decision-making ability, awareness of consequences, and ability to make informed judgments. The level of intoxication may change over a period of time based on a variety of individual factors, including the amount of substance consumed, speed of intake, body mass, height, weight, tolerance, food consumption, drinking patterns, and metabolism. A person's own intoxication or incapacitation from drugs or alcohol does not diminish that person's responsibility to obtain Affirmative Consent before engaging in sexual activity.
- Incapacitation due to alcohol, drugs or medication is a state of intoxication that is so severe that it interferes with a person's capacity to make informed and knowing decisions. A person who is incapacitated may not be able to understand where they are, whom they are with, how they got there, or what is happening. Signs that a person may be incapacitated due to the influence of drugs, alcohol, or medication include, but are not limited to, the following:
    - slurred speech or difficulty communicating clearly;
    - clumsiness or lack of physical coordination (e.g., difficulty standing or walking without assistance);
    - impaired motor skills (e.g., eating, drinking, texting);
    - disorientation regarding time and place;
    - difficulty concentrating;
    - vomiting;
    - combativeness or emotional volatility; or
    - sleeping, unconsciousness, or going in and out of consciousness.
- Incapacitation may also include memory impairment or an inability to recall entire or partial events (sometimes referred to as "black-out" or "brown-out"). A person may experience this symptom while appearing to be functioning "normally," including communicating through actions or words that can reasonably and objectively be interpreted as communicating consent to engage in sexual activity. Total or partial loss of memory alone may not be sufficient, without additional evidence, to prove that an individual was incapacitated under this Policy. Whether sexual activity under these circumstances constitutes Prohibited Conduct depends on the presence or absence of the outwardly observable factors indicating that an individual is incapacitated, as described above.
- In evaluating Affirmative Consent in cases involving incapacitation, the CSU considers the totality of available information in determining whether a Respondent knew or reasonably should have known that the Complainant was incapacitated.

Sexual Exploitation means a person taking sexual advantage of another person for the benefit of anyone other than that person without that person's consent, including, but not limited to, any of the following acts:

- The prostituting of another person.
- The trafficking of another person, defined as the inducement of a person to perform a commercial sex act, or labor of services, through force, fraud, or coercion.
- The recording of images, including video or photograph, or audio of another person's sexual activity or intimate parts, without that person's consent.
- The distribution of images, including video or photographs, or audio of another person's sexual activity or private body parts, if the individual distributing the images or audio knows or should have known that the person depicted in the images or audio did not consent to the disclosure. This includes distribution of digitally altered or artificial-intelligence-generated images, video, and audio.

The viewing of another person's sexual activity or private body parts, in a place where that other person would have a reasonable expectation of privacy, without that person's consent, for the purpose of arousing or gratifying sexual desire.

Dating Violence and Domestic Violence

Dating Violence means physical violence or threat of physical violence committed by a person:

1. Who is or has been in a social relationship of a romantic or intimate nature with the Complainant; and
2. Where the existence of such a relationship shall be determined based on a consideration of the following factors:
    1. The length of the relationship.
    2. The type of relationship.
    3. The frequency of interaction between the persons involved in the relationship.

Domestic Violence means physical violence or threat of physical violence committed by a current or former spouse or intimate partner of the Complainant, by a person with whom the Complainant shares a child in common, by a person who is cohabitating with or has cohabitated with the Complainant as a spouse or intimate partner, or by a person similarly situated to a spouse of the Complainant. Domestic violence also includes acts against a Minor or adult victim who is protected from those acts under the family or domestic laws of the state.

Stalking means engaging in a Course of Conduct directed at a specific person that would cause a reasonable person to fear for the safety of self or others' safety or to suffer Substantial Emotional Distress. For purposes of this definition:

- **Course of Conduct** means two or more acts, including but not limited to, acts in which one party directly, indirectly, or through third parties, by any action, method, device, or means, follows, monitors, observes, surveils, threatens, or communicates to or about the other party, or interferes with the other party's property.
- **Substantial Emotional Distress** means significant mental suffering or anguish that may but does not necessarily require medical or other professional treatment or counseling.

A Prohibited Consensual Relationship includes consensual sexual or romantic relationships between an Employee and any Student or Employee over whom they exercise direct or otherwise significant academic, administrative, supervisory, evaluative, counseling, or extracurricular authority.

1. A consensual relationship means a sexual or romantic relationship between two individuals who voluntarily enter into such a relationship.
2. While sexual and/or romantic relationships between members of the University community may begin as consensual, they may evolve into situations that lead to Discrimination, Harassment, Retaliation, Sexual Misconduct, Sexual Exploitation, Dating Violence, Domestic Violence, or Stalking subject to this Nondiscrimination Policy.

3. It is a violation of this Nondiscrimination Policy for an Employee to enter into a Prohibited Consensual Relationship.
4. Examples of Prohibited Consensual Relationships include, but are not limited to, a supervisor and an employee in their chain of command; a faculty member and a student enrolled in their class; a counselor and a student they are advising; a resident advisor and a student in their building; a club advisor and club member.

Retaliation

Retaliation is intimidation, coercion, or discrimination against any individual for the purpose of interfering with their exercise of any rights under this Nondiscrimination Policy by:

- Reporting or filing a Complaint;
- Participating or refusing to participate in any manner in any Policy-related investigation or proceeding, including a hearing;
- Opposing conduct which was reasonably and in good faith believed to be in violation of this Nondiscrimination Policy;
- Assisting or participating in an investigation or proceeding under this Nondiscrimination Policy, regardless of whether the Complaint was substantiated; or
- Assisting someone else in reporting or opposing a violation of this Nondiscrimination Policy or assisting someone else in reporting or opposing Retaliation under this Nondiscrimination Policy.
    - For purposes of this definition, Retaliation includes conduct that would discourage a reasonable person from reporting or participating in a process provided for in this Policy, including threats, intimidation, coercion, reprisals, discrimination, and adverse employment or educational actions.
    - Peer Retaliation, which is defined as Retaliation by one Student against another Student, is also prohibited.
    - Retaliation may occur even when there is not a power or authority differential between the individuals involved.
    - The exercise of rights protected under the First Amendment does not constitute Retaliation prohibited under this definition.
    - Good faith actions lawfully pursued in response to a Complaint, such as gathering evidence, providing Supportive Measures, or disciplining Students or Employees found to be in violation of this Nondiscrimination Policy, without more, are not considered Retaliation.

Track 1 Prohibited Conduct Definitions

1. **Sexual Harassment** means conduct on the basis of Sex that satisfies one or more of the following:
    1. An Employee conditioning the provision of an aid, benefit, or service of the University on an individual's participation in unwelcome sexual conduct;
    2. Unwelcome conduct determined based on the reasonable person standard to be so severe, pervasive, **and** objectively offensive that it effectively denies a person equal access to an Education Program or Activity.
2. **Sexual Assault** includes the following:
    1. **Rape** is the penetration or attempted penetration, no matter how slight, of the vagina or anus with any body part or object, or oral penetration by a sex organ of another person, without the Affirmative Consent of the Complainant. Rape also includes the attempted penetration, no matter how slight, of the vagina or anus with any body part or object, or oral penetration by a sex organ of another person, without the Affirmative Consent of the Complainant, with the present ability and the intent to commit Rape.
    2. **Fondling** is the touching of the private body parts of another person for the purpose of sexual gratification, without the Affirmative Consent of the victim, including instances where the Complainant is incapable of giving Affirmative Consent because of their age or because of their temporary or permanent mental incapacity.

3. **Incest** is sexual intercourse between persons who are related to each other within the degrees wherein marriage is prohibited by law.
4. **Statutory Rape** is sexual intercourse with a person who is under the age of 18 years, the California statutory age of consent. The definition of Affirmative Consent is that under Article VII.A.3 above.

3. **Dating Violence** means physical violence or threat of physical violence committed by a person:
    1. who is or has been in a social relationship of a romantic or intimate nature with the Complainant; **and**
    2. where the existence of such a relationship shall be determined based on a consideration of the following factors:
        - The length of the relationship.
        - The type of relationship.
        - The frequency of interaction between the persons involved in the relationship.
4. **Domestic Violence** means physical violence or threat of physical violence committed by a current or former spouse or intimate partner of the Complainant, by a person with whom the Complainant shares a child in common, by a person who is cohabitating with or has cohabitated with the Complainant as a spouse or intimate partner, or by a person similarly situated to a spouse of the Complainant.
5. **Stalking** means engaging in a course of conduct directed at a specific person that would cause a reasonable person to:
    - fear for their safety or the safety of others; or
    - suffer substantial emotional distress.

Whom to Contact If You Have Complaints, Questions or Concerns

Title IX requires the university to designate a Title IX Coordinator to monitor and oversee overall Title IX compliance. The university Title IX Coordinator is available to explain and discuss the university's complaint process, including the investigation and hearing process; the availability of reasonable supportive measures (both on and off campus regardless of whether the person chooses to report the conduct); the right to file a criminal complaint (for example, in cases of sexual misconduct); how confidentiality is handled; and other related matters. **If you are in the midst of an emergency, please call the police immediately by dialing 9-1-1.**

CAMPUS TITLE IX COORDINATOR:

Dr. Carol D. Branch
Title IX and Civil Rights Officer
200 Maritime Academy Drive
Vallejo, CA 94590
cbranch@csum.edu
(707) 654-1178

UNIVERSITY POLICE:

Clint Strode
Interim Chief of Police
200 Maritime Academy Drive
Vallejo, CA 94590
cstrode@csum.edu
(707) 654-1175

Title IX requires the university to adopt and publish complaint procedures that provide for prompt and equitable resolution of gender discrimination complaints, including sexual harassment and misconduct, as well as provide training, education and preventive measures related to sex discrimination. Interim CSU Nondiscrimination Policy - Student Respondent Procedure (or any successor procedure) is the systemwide procedure for all complaints of discrimination, harassment or retaliation made against, other CSU students. CSU Nondiscrimination Policy - Respondent Procedure of Track 1 (Federal Mandated Hearing Process (or any successor procedures) are the

systemwide procedures for all complaints of discrimination, harassment or retaliation made against the CSU, a CSU employee or a third party.

Duty to Report

Except as provided below under confidentiality and sexual misconduct, dating violence, domestic violence, and stalking, **any** university employee who knows or has reason to know of allegations or acts that violate university policy shall promptly inform the Title IX Coordinator. These employees are required to disclose all information including the names of the parties, even where the person has requested that their name remain confidential. The Title IX Coordinator will determine whether confidentiality is appropriate given the circumstances of each such incident. (See confidential reporting options outlined below.)

Regardless of whether an alleged victim of gender discrimination ultimately files a complaint, if the university knows or has reason to know about possible sexual discrimination, harassment or misconduct, it must review the matter to determine if an investigation is warranted. The university must then take appropriate steps to eliminate any gender discrimination/harassment/misconduct, prevent its recurrence, and remedy its effects.

U.S. Department of Education, Office for Civil Rights (OCR):

(800) 421-3481 (National Headquarters); or (800) 877-8339 (TDD) or ocr@ed.gov (National Headquarters) or (415) 486-5555 (California office), or ocr.sanfrancisco@ed.gov (California office)

If you wish to fill out a complaint form online with the OCR, you may do so using the OCR Electronic Complaint Form.

Safety Of The University Community is Primary

The university's primary concern is the safety of its university community members. The use of alcohol or drugs never makes the victim at fault for gender discrimination, harassment or sexual misconduct; therefore, victims should not be deterred from reporting incidents of sexual misconduct out of a concern that they might be disciplined for related violations of drug, alcohol or other university policies. Except in extreme circumstances, victims of sexual misconduct shall not be subject to discipline for related violations of the Student Conduct Code.

Information Regarding University Criminal and Civil Consequences Of Committing Acts of Sexual Violence

Individuals alleged to have committed sexual misconduct may face criminal prosecution by law enforcement and may incur penalties as a result of civil litigation. In addition, students may face discipline at the university, up to and including suspension or expulsion and withholding of their degrees. Employees may face sanctions up to and including suspension, demotion or dismissal from employment, pursuant to established CSU policies and provisions of applicable collective bargaining unit agreements.

Students who are found responsible by the university with gender discrimination, harassment or sexual misconduct will be subject to discipline, pursuant to The Interim CSU Nondiscrimination Policy-Student Respondent Procedures for complaints made against a student and the California State University and Student Conduct Procedures (see the Student Conduct Procedures Policy, revised on August 14, 2020, or any successor policy) and will be subject to appropriate sanctions. In addition, during any investigation, the university may implement interim measures in order to maintain a safe and non-discriminatory educational environment. Such measures may include but not be limited to: immediate interim suspension from the university; a required move from university-owned or affiliated housing; adjustments to course schedule; and/or prohibition from contact with parties involved in the alleged incident.

Confidentiality and Sexual Misconduct, Dating Violence, Domestic Violence and Stalking

The university encourages victims of sexual misconduct, dating violence, domestic violence or stalking to talk to someone about what happened - so they can get the support they need, and so the university can respond appropriately.

Privileged and Confidential Communications

Physicians, Psychotherapists, Professional Licensed Counselors, Licensed Clinical Social Workers, and Clergy - Physicians, psychotherapists, professional, licensed counselors, licensed clinical social workers, and clergy who work or volunteer on or off campus, acting solely in those roles or capacities as part of their employment, and who provide medical or mental health treatment or counseling (and those who act under their supervision, including all individuals who work or volunteer in their centers and offices) may not report any information about an incident of sexual misconduct to anyone else at the university, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from physicians, psychotherapists, professional, licensed counselors, licensed clinical social workers and clergy without triggering a university investigation that could reveal the victim's identity or the fact of the victim's disclosure. However, see limited exceptions below regarding when health care practitioners must report to local law enforcement agencies. Health care practitioners should explain these limited exceptions to victims, if applicable.

Sexual Assault and Domestic Violence Counselors and Advocates - Sexual assault and domestic violence counselors and advocates who work or volunteer on or off campus in sexual assault centers, victim advocacy offices, women's centers and health centers (including those who act in that role under their supervision, along with non-professional counselors or advocates who work or volunteer in sexual assault centers, victim advocacy offices, women's centers, gender equity centers, or health centers), may talk to a victim without revealing any information about the victim and the incident of sexual misconduct to anyone else at the university, including the Title IX Coordinator, without the victim's consent. A victim can seek assistance and support from these counselors and advocates without triggering a university investigation that could reveal his/her identity or that a victim disclosed an incident to them. However, see limited exceptions below regarding when sexual assault and domestic violence counselors and advocates must report to local law enforcement agencies. Counselors and advocates should explain these limited exceptions to victims, if applicable.

The university will be unable to conduct an investigation into a particular incident or pursue disciplinary action against a perpetrator if a victim chooses to:

1. Speak only to a physician, professional licensed counselor, licensed clinical social worker, clergy member, sexual assault counselor, domestic violence counselor or advocate; and
2. Maintain complete confidentiality. Even so, these individuals will assist victims in receiving other necessary protection and support, such as victim advocacy, disability services, medical/health or mental health services, or legal services, and will advise victims regarding their right to file a Title IX complaint with the university and a separate complaint with local or university police.

If a victim insists on confidentiality, such professionals, counselors and advocates will likely not be able to assist the victim with: university academic support or accommodations; changes to university-based living or working schedules; or adjustments to course schedules. A victim who at first requests confidentiality may later decide to file a complaint with the university or report the incident to the police, and thus have the incident fully investigated. These counselors and advocates can provide victims with that assistance if requested by the victim. These counselors and advocates will also explain that Title IX includes protections against retaliation, and that the university will not only take steps to prevent retaliation when it knows or reasonably should know of possible retaliation, but will also take strong responsive action if retaliation occurs.

EXCEPTIONS:

Under California law, any health practitioner employed in a health facility, clinic, physician's office, or local or state public health department or clinic is required to make a report to local law enforcement if the health practitioner provides medical services for a physical condition to a patient/victim who the health practitioner knows or reasonably suspects is suffering from:

1. A wound or physical injury inflicted by a firearm; or
2. Any wound or other physical injury inflicted upon a victim where the injury is the result of assaultive or abusive conduct (including sexual misconduct, domestic violence, and dating violence).

This exception does not apply to sexual assault and domestic violence counselors and advocates. Health care practitioners should explain this limited exception to victims, if applicable.

Additionally, under California law, all professionals described above (physicians, psychotherapists, professional counselors, licensed clinical social workers, clergy, and sexual assault and domestic violence counselors and advocates) are mandatory child abuse and neglect reporters, and are required to report incidents involving victims under 18 years of age to local law enforcement. These professionals will explain this limited exception to victims, if applicable.

Finally, some or all of these professionals may also have reporting obligations under California law to:

1. Local law enforcement in cases involving threats of immediate or imminent harm to self or others where disclosure of the information is necessary to prevent the threatened danger; or
2. To the court if compelled by court order or subpoena in a criminal proceeding related to the sexual misconduct, dating or domestic violence, or stalking incident.

If applicable, these professionals will explain this limited exception to victims.

Reporting to University or Local Police

If a victim reports to local or university police about sexual misconduct crimes, the police are required to notify victims that their names will become a matter of public record unless confidentiality is requested. If a victim requests that their identity be kept confidential, their name will not become a matter of public record. However, even if the victim requests confidentiality of identity, the University Police should specifically ask the victim if the victim's name can be provided to the Title IX Office so that the Title IX Coordinator can contact the victim to discuss supportive measures that can be offered. If a victim gives consent to law enforcement to provide their name to the Title IX Coordinator, their name will not become a matter of public record. Even if a victim does not give the police permission to provide their name to the Title IX Coordinator, University police will report the facts of the incident itself to the Title IX Coordinator being sure not to reveal to the Title IX Coordinator victim names/identities or compromise their own criminal investigation. The university is required by the federal Clery Act to report certain types of crimes (including certain sex offenses) in statistical reports. However, while the university will report the type of incident in the annual crime statistics report known as the Annual Security Report, victim names/identities will not be revealed.

Reporting to the Title IX Coordinator and Other University Employees

Most university employees have a duty to report incidents of sexual misconduct when they are on notice of it. When a victim tells the Title IX Coordinator or another university employee about an incident of sexual misconduct, the victim has the right to expect the university to take immediate and appropriate steps to investigate what happened and to resolve the matter promptly and equitably. In all cases, the university strongly encourages victims to report incidents of sexual misconduct directly to the university Title IX Coordinator. As detailed above, in the "Privileged and Confidential Communications" section of this policy, all university employees except physicians, licensed professional counselors, licensed clinical social workers, sexual assault counselors and advocates, must report to the Title IX Coordinator all relevant details about any incidents of sexual misconduct of which they become aware. The university

will need to determine what happened - and will need to know the names of the victim(s) and the perpetrator(s), any witnesses, and any other relevant facts, including the date, time and specific location of the incident.

To the extent possible, information reported to the Title IX Coordinator or other university employees will be shared only with individuals responsible for handling the university's response to the incident. The university will protect the privacy of individuals involved in a sexual misconduct violence incident except as otherwise required by law or university policy. A report of sexual misconduct may result in the gathering of extremely sensitive information about individuals in the university community. While such information is considered confidential, university policy regarding access to public records and disclosure of personal information may require disclosure of certain information concerning a report of sexual misconduct. In such cases, efforts will be made to redact the records, as appropriate, in order to protect the victim's identity and privacy and the privacy of other involved individuals. Except as detailed in the section on "Privileged and Confidential Communications" above, no university employee, including the Title IX Coordinator, should disclose the victim's identity to the police without the victim's consent or unless the victim has also reported the incident to the police.

If a victim requests of the Title IX Coordinator or another university employee that their identity remain completely confidential, the Title IX Coordinator will explain that the university cannot always honor that request or guarantee complete confidentiality. If a victim wishes to remain confidential or request that no investigation be conducted or disciplinary action taken, the university must weigh that request against the university's obligation to provide a safe, non-discriminatory environment for all students, employees, and third parties, including the victim. Under those circumstances, the Title IX Coordinator will determine whether the victim's request for complete confidentiality and/or no investigation can be honored under the facts and circumstances of the particular case, including whether the university has a legal obligation to report the incident, conduct an investigation or take other appropriate steps. Without information about a victim's identity, the university's ability to meaningfully investigate the incident and pursue disciplinary action against the perpetrator may be severely limited. See the Interim CSU Nondiscrimination Policy (or any successor policy) for further details around confidential reporting, and other related matters.

ADDITIONAL RESOURCES

Cal Maritime's sexual misconduct prevention and education statement, which includes facts and myths about sexual misconduct, at the Title IX website.

U.S. Department of Education, regional office

Office for Civil Rights 50 United Nations Plaza San Francisco, CA 94102

(415) 486-5555

TDD (877) 521-2172

OCR SanFrancisco@ed.gov

U.S. Department of Education, national headquarters

Office for Civil Rights (800) 421-3481

TDD (800) 877-8339

OCR@ed.gov

California Coalition Against Sexual Assault

1215 K. Street, Suite 1850

Sacramento, CA 95814

(916) 446-2520

California Coalition Against Sexual Assault Website

1. Domestic and Family Violence, Office of Justice Programs, United States Department of Justice: Intimate Partner Violence
2. National Institute of Justice: Intimate Partner Violence, Office of Justice Programs, United States Department of Justice
3. National Domestic Violence Hotline Website and phone number 1-800-799-SAFE (7233)
4. Office of Violence against Women, United States Department of Justice
5. Centers for Disease Control and Prevention: Intimate Partner Violence

Local Community Resource Information:

- Rape Crisis Hotline: 707-258-8000
- Mental Health Crisis Line: 707-553-5332
- Victims of Crime Resources: 800-842-8467

Student Complaint Procedure

The California State University (CSU) takes very seriously complaints and concerns regarding the institution. If you have a complaint regarding the CSU, you may present your complaint as follows:

1. If your complaint concerns CSU's compliance with academic program quality and accrediting standards, you may present your complaint on the Western Association of Schools and Colleges (WASC) website. WASC is the agency that accredits the CSU's academic program.
2. If your complaint concerns an alleged violation by CSU of any law that prohibits discrimination, harassment or retaliation based on a protected status (such as age, disability (physical or mental), gender (or sex), gender identity, gender expression, nationality, race or ethnicity (including color, caste, or ancestry), religion (or religious creed) or veteran or military status), you may present your complaint as described in Section XVI (Interim Nondiscrimination Policy).
3. If your complaint concerns an alleged violation by the CSU of other state law, including laws prohibiting fraud and false advertising, you may present your claim complaint to the university president or designee. See the Student/Applicant Complaint Procedure for Alleged Violations of State Law Not Covered by Another CSU Complaint Procedure-Executive Order No. 1063 for details regarding the complaint requirements and complaint process.
4. Other complaints regarding the CSU may be presented to the university dean of students [or other appropriate administrator], who will provide guidance on the appropriate university process for addressing your particular issue.

If you believe that your complaint warrants further attention after you have exhausted all the steps outlined by the university, or by WASC, you may file an appeal with the Assistant Vice Chancellor, Academic and Student Affairs (or designee) at the CSU Chancellor's Office.

This procedure should not be construed to limit any right that you may have to take legal action to resolve your complaint.

CHANGES OF RULES AND POLICIES

Although every effort has been made to assure the accuracy of the information in this catalog, students and others who use this catalog should note that laws, rules, and policies change from time to time and that these changes may alter the information contained in this publication.

Changes may come in the form of statutes enacted by the Legislature, rules and policies adopted by the Board of Trustees of the California State University, by the chancellor or designee of the California State University, or by the president or designee of the university. It is not possible in a publication of this size to include all of the rules, policies and other information that pertain to students, the institution, and the California State University. More current or complete information may be obtained from the appropriate department, school, or administrative office.

Nothing in this catalog shall be construed as, operate as, or have the effect of an abridgment or a limitation of any rights, powers, or privileges of the Board of Trustees of the California State University, the chancellor of the California State University, or the president of the university. The trustees, the chancellor, and the president are authorized by law to adopt, amend, or repeal rules and policies that apply to students. This catalog does not constitute a contract or the terms and conditions of a contract between the student and the university or the California State University. The relationship of students to the university and the California State University is one governed by statute, rules, and policy adopted by the legislature, the trustees, the chancellor, the presidents and their duly authorized designees.

Availability of Institutional & Financial Assistance Information

The following information concerning student financial assistance may be obtained from the Director of Financial Aid, Mayo Hall, (707) 654-1287:

- A description of the federal, state, institutional, local, and private student financial assistance programs available to students who enroll at Cal Maritime;
- For each aid program, a description of procedures and forms by which students apply for assistance, student eligibility requirements, criteria for selecting recipients from the group of eligible applicants, and criteria for determining the amount of a student's award;
- A description of the rights and responsibilities of students receiving financial assistance, including federal Title IV student assistance programs, and criteria for continued student eligibility under each program;
- Provide information to students about the institution's satisfactory academic progress standards that students must maintain for the purpose of receiving financial assistance and criteria by which a student who has failed to maintain satisfactory progress may reestablish eligibility for financial assistance (appeals process);
- The method by which financial assistance disbursements will be made to students and the frequency of those disbursements;
- The way the school provides for Pell-eligible students to obtain or purchase required books and supplies by the seventh day of a payment period and how the student may opt out;
- The terms of any loan received as part of the student's financial aid package, a sample loan repayment schedule, and the necessity for repaying loans;
- The general conditions and terms applicable to any employment provided as part of the student's financial aid package;
- The terms and conditions of the loans students receive under the Direct Loan Program;
- The exit counseling information the school provides and collects for student borrowers; and
- Contact information for campus offices available for disputes concerning federal, institutional and private loans.

Information concerning the cost of attending Cal Maritime is available from the Director of Financial Aid, Mayo Hall, (707) 654-1287, and includes:

- Tuition and fees;
- The estimated costs of books and supplies;
- Estimates of typical student room, board, and transportation costs;
- If requested, additional costs for specific programs.

Information concerning the refund policies of Cal Maritime for the return of unearned tuition and fees or other refundable portions of institutional charges is available from the Cashier's Office, Administration Building, (707) 654-1030, option 6.

Information concerning policies regarding the return of federal Title IV student assistance funds as required by regulation is available from Director of Financial Aid, Student Services Building, (707) 654-1287.

Information regarding special facilities and services available to students with disabilities may be obtained from Disability Services Office, Student Enagement and Academic Support, Laboratory Building, (707) 654-1283.

Information concerning Cal Maritime policies, procedures, and facilities for students and other to report criminal actions or other emergencies occurring on campus may be obtained from Cal Maritime Police Services, Police Services Building, (707) 654-1176..

Information concerning Cal Maritime annual campus security report and annual fire safety report may be obtained from Cal Maritime Police Services, Police Services Building, (707) 654-1176.

Information concerning the prevention of drug and alcohol abuse and rehabilitation programs may be obtained from the Student Health Center, (707) 654-1171 or from the Dean of Cadets (707) 654-1561.

Information regarding student retention and graduation rates at Cal Maritime and, if available, the number and percentage of students completing the program in which the student is enrolled or has expressed interest may be obtained from the Director of Institutional Research, Student Services Building, (707) 654-1224.

Information concerning athletic opportunities available to male and female students and the financial resources and personnel that Cal Maritime dedicates to its men and women's teams may be obtained from Director of Athletics and Physical Education, PEAC, (707) 654-1050.

Information concerning grievance procedures for students who feel aggrieved in their relationships with the university, its policies, practices and procedures, or its faculty and staff may be obtained from the Associate Vice President of Human Resources, Administration Building, (707) 654-1790.

Information concerning student activities that Cal Maritime provides, must be easily accessible on the campus website.

Information concerning student body diversity at Cal Maritime, including the percentage of enrolled, full- time students who are (1) male, (2) female, (3) Pell Grant recipients, and (4) self-identified members of a specific racial or ethnic group, must be obtained from the Director of Institutional Research, Student Services Building, (707) 654-1224.

The federal Military Selective Service Act (the "Act") requires most males residing in the United States to present themselves for registration with the Selective Service System within 30 days of their 18th birthday. Most males between the ages of 18 and 25 must be registered. Males born after December 31, 1959, may be required to submit a statement of compliance with the Act and regulations in order to receive any grant, loan, or work assistance under specified provisions of existing federal law. In California, students subject to the Act who fail to register are also ineligible to receive any need-based student grants funded by the state or a public postsecondary institution.

Selective Service registration forms are available at any U.S. Post Office, and many high schools have a staff member or teacher appointed as a Selective Service Registrar. For more information on the Selective Service System and to initiate the registration process, visit the official Selective Service System website.

Procedure for the Establishment or Abolishment of Campus-Based Mandatory Fees

The law governing the California State University provides that specific campus fees defined as mandatory, such as a *student body association fee* and a *student body center fee*, may be established. A *student body association fee* must be established upon a favorable vote of two-thirds of the students voting in an election held for this purpose (Education Code, Section 89300). The university president may adjust the *student body association fee* only after the fee adjustment has been approved by a majority of students voting in a referendum established for that purpose. The required fee shall be subject to referendum at any time upon the presentation of a petition to the university president containing the signatures of 10 percent of the regularly enrolled students at the university. *Student body association fees* support a variety of cultural and recreational programs, childcare centers, and special student support programs. A *student body center fee* must be established upon a favorable vote of two-thirds of the students voting in an election held for this purpose (Education Code, Section 89304). Once bonds are issued, authority to set and adjust *student body center fees* is governed by provisions of the State University Revenue Bond Act of 1947, including, but not limited to, Education Code sections 90012, 90027, and 90068. A *student success fee* may be established or adjusted only after the university undertakes a rigorous consultation process and a fee referendum is held with a simple majority favorable vote (Education Code, Section 89712). The *student success fee* may be rescinded by a majority vote of the students only after six years have elapsed following the vote to implement the fee.

The process to establish and adjust other campus-based mandatory fees requires consideration by the campus fee advisory committee and a consultation or student referendum process as established by California State University Student Tuition and Fee Policy , Sections III & IV (or any successor policy). The university president may use consultation mechanisms if they determine that a referendum is not the best mechanism to achieve appropriate and meaningful consultation, and referendum is not required by the Education Code or Student Success Fee policy. Results of the referendum and the fee committee review are advisory to the university president. The president may adjust campus-based mandatory fees but must request the chancellor to establish a new mandatory fee. The president shall provide to the campus fee advisory committee a report of all campus-based mandatory fees. The university shall report annually to the chancellor a complete inventory of all campus-based mandatory fees.

For more information or questions, please contact the System Budget Office in the CSU Chancellor's Office at csubudgetoffice@calstate.edu or (562) 951-4560.

Admissions Practices

Please be advised that the most current admissions practices can be found online at: http://www.csum.edu/web/admissions/admissions-process

Cal Maritime is fully committed to enrolling a diverse student body. Requirements for admissions are in accordance with Title 5, Chapter 1, Subchapter 3 of the California Code of Regulations. If you are unsure of these requirements, consult a high school or community college counselor or the Office of Admissions. Complete information is also available at: www.csumentor.edu/planning/

Cal Maritime accepts new students only for the fall semester. It is best to apply for admission during the priority CSU filing dates-October 1 through November 30-prior to the year in which you choose to enroll. (See The California State University section for additional CSU Admissions information.)

Cal Maritime may continue to accept applications for non-impacted degree programs after November 30 until programs are full. New students must declare a major at the time of application.

As an institution with a specialized mission, Cal Maritime abides by special provisions of the United States Maritime Administration, endorsed by the California State University. These provisions authorize Cal Maritime to use admissions criteria that are above CSU requirements in any program. These additional criteria may include high school

GPA and coursework, extracurricular activities, leadership, character, and college entrance examination scores. Currently, additional criteria are only used for impacted programs.

Enrollment criteria for admitted students will also include requirements made by the U.S. Coast Guard for maritime academies, and the unique requirements of mandatory international travel, especially on the school's training ship. These factors are health, a record free of criminal offense and, for students seeking licenses, U.S. citizenship. All students must be able to obtain a passport, either from the United States or from their home country with a U.S. student visa.

If you need assistance in determining your eligibility, ask your high school or community college transfer counselor, visit www.csumentor.edu, or consult the Cal Maritime Office of Admissions.

After Being Admitted

Deposit

To guarantee a space in the freshman class, you must submit a non-refundable* deposit of $500. The deadline for submitting the deposit is May 1. Failure to meet the deadline may result in the cancellation of your offer of admission and of any financial aid award that you may have received. The $500 deposit will be applied to your account as $150 for housing and $350 for uniforms.

*The deposit may be refunded upon request if a student does not pass medical review for his or her major. To secure a refund, all medical documents should have been submitted by April 1, any additionally requested information should be provided in a timely manner, and all information required was filled out by a physician.

Health Screening

All admitted students are required to submit a health report prior to enrollment. The health report form must be completed and signed by a licensed health care provider and returned to Cal Maritime's Student Health Center (SHC) as soon as possible and before May 1st. The actual physical examination must have been conducted within one year prior to enrollment, and with a tuberculosis test required within 12 months. All parts of the health report form must be adequately completed and reviewed as a condition of being able to register for classes.

There are specific health requirements for all Cal Maritime students as every student is required to participate in off campus activities that may involve travel such as the *Training Ship Golden Bear* Cruise, International Experience, internships, or Commercial cruise. Certain degree programs in which a U.S. Coast Guard license is a graduation requirement also have physical, perceptual, and psychological qualifications determined by the U.S. Coast Guard (see health criteria below).

The SHC reviews the health reports to determine whether the incoming student meets the health requirements necessary for participation in Cal Maritime Activities including the annual training cruise as applicable, and if enrolled in a license-track program, whether the student potentially meets the health requirements necessary for licensure by the U.S. Coast Guard.

In addition, the CSU and Cal Maritime have specific immunization requirements. All entering students are required to submit proof of the following prior to their first semester of enrollment:

Measles and rubella immunity: All new and re-admitted students born after January 1, 1957, must provide proof of two immunizations against measles and rubella.

Hepatitis B immunization: All new students who will be 18 years of age or younger at the start of their first semester must provide proof of full immunization against Hepatitis B prior to enrollment. Full immunization against Hepatitis B consists of three doses of the vaccine administered over a period of 4 to 6 months at prescribed time intervals.

Meningococcal meningitis vaccine: All freshmen are required to have the vaccine prior to enrollment at Cal Maritime. Students will be required to submit a form indicating that they have received information about meningococcal disease and the availability of a vaccine to reduce the risk of contracting it, and a statement indicating whether or not they have chosen to receive the vaccination at Cal Maritime. These are not admissions requirements, but are required of students as conditions of enrollment at Cal Maritime. If you need further details or have special circumstances, please consult the Student Health Center.

Additional immunization requirements at Cal Maritime include: hepatitis A (two dose series), varicella (two dose series) or proof of immunity, and Tdap (tetanus, diphtheria ,and pertussis).

Health Criteria

Students enrolled in license-track programs are required to meet the additional health criteria set forth in the U.S. Department of Homeland Security, USCG Navigation and Vessel Inspection Circular (NVIC). A non-exhaustive list of the specific health requirements may be found at: www.uscg.mil/nmc

Summary of the eyesight and color vision criteria:

Deck license students or applicants for qualified deck rating should demonstrate that they have correctable vision to at least 20/40 in each eye and uncorrected vision of at least 20/200 in each eye. Engineering license students or applicants for qualified engineering rating should demonstrate that they have correctable vision of at least 20/50 in each eye and uncorrected vision of at least 20/200 in each eye. The U.S. Coast Guard (USCG) may grant a waiver if the above vision criteria are met in one eye and for uncorrected vision up to 20/800, provided the correctable vision standards are met. Applicants for STCW endorsements should meet the same vision standards. In addition, deck license students are required to demonstrate normal color vision by passing a color vision test approved by the USCG. Marine Engineering candidates are required to show the ability to distinguish red, blue, green, and yellow by passing a color vision test approved by the USCG.

Students enrolled in license-track programs should be able to meet USCG physical agility standards, and physical and mental health criteria. Having current or previous specific medical/physical/psychological conditions may be subject to an additional in-depth review by the USCG at the time of licensure. Any significant functional impairment, medical condition, or physical or psychological impairment, that might prevent a candidate from performing ordinary sea duties or have the potential of causing sudden incapacitation of a cadet or officer at sea, could preclude enrollment in majors leading to USCG licensure.

Orientation

Before the beginning of each fall semester, the Office of the Commandant conducts a mandatory orientation, a program that introduces new students to Cal Maritime. Students who do not attend the entire program will be dropped from enrollment for the fall semester.

Registration for Courses

First-time students may register for fall semester classes at Cal Maritime after they are accepted and have cleared their health screening, have paid their required deposit, and have submitted any additional documents that may have been

requested. Continuing students will receive a registration or enrollment appointment which may be retrieved through the student section of PeopleSoft. Continuing students are required to meet with their advisor prior to registration, and to clear all financial or university obligations before registering for the next term.

Passport

All incoming students must obtain a valid passport prior to enrollment. For more information, visit: www.travel.state.gov

Transportation Worker Identification Credential (TWIC)

All cadets in USCG license-track majors - Marine Transportation, Marine Engineering Technology and Mechanical Engineering - are required to hold a TWIC as of their sophomore year. The TWIC is a prerequisite to application for a USCG Merchant Mariner Credential and is required for cadets enrolling in Sea Training II. Cadets in non-license track programs are encouraged to obtain a TWIC inasmuch as many of the Cooperative Education opportunities are with employers who require a TWIC.

The USCG Licensing Programs Coordinator will provide students with information regarding the TWIC application process during their first year. For more information, visit: http://www.tsa.gov/stakeholders/transportation-worker-identification-credential-twic (scroll down)

Uniforms

At Cal Maritime all students are required to wear uniforms per MARAD regulations, and uniform and grooming standards are a key component of the Leadership Development program.

All new incoming students are required to purchase the initial-issue sea bag through the Cal Maritime Bookstore. Additional or replacement uniform pieces may be purchased elsewhere, but shall conform in quality, material, and style to uniforms sold through the bookstore. All students are required to be in complete uniform on the first day of class.

Upon acceptance, students should take their sizing sheet to a professional tailor of their choice and send the completed form to the bookstore by May 1st, or as soon as the uniform deposit is paid. This gives the bookstore a chance to pre-order the student's sizes. A summer fitting appointment to try on the uniform must be scheduled with the bookstore and completed prior to August 1st. This summer fitting ensures that the student's uniforms are given room for any changes in growth or weight, and it allows the bookstore to send out all items that need tailoring or alteration and have them back in time for pick-up during Orientation Week. Civilian measurements are different from military measurements, so a uniform fitting in person is necessary.

To schedule an appointment, please call the Cal Maritime Bookstore at 707-654-1186. The balance payment for the initial-issue sea bag is due at the time of the fitting appointment. All non-tailored items are taken home at that time, and all items that need tailoring will be available for pick-up during Orientation Week.

For more information, please call the Cal Maritime Bookstore at 707-654-1186, or email bookstore@csum.edu.

Use of Social Security Number

Applicants are required to include their correct social security numbers in designated places on applications for admission, pursuant to the authority contained in Section 41201, Title 5, California Code of Regulations, and Section 6109 of the Internal Revenue Code (26 U.S.C. 6109).

Cal Maritime uses the social security number to identify students and their records, including identification for the purpose of financial aid eligibility and disbursement and the repayment of financial aid and other debts payable to the institution.

Also, the Internal Revenue Service requires Cal Maritime to file information returns that include the student's social security number and other information such as the amount paid for qualified tuition, related expenses, and interest on educational loans. This information is used by the IRS to determine whether a student, or a person claiming a student as a dependent, may take a credit or deduction to reduce federal income taxes.

Making Up Missing Requirements

Undergraduate applicants who did not complete subject requirements while in high school may make up missing subjects by:

- completing appropriate courses with a grade of C or higher prior to high school graduation
- completing appropriate college courses with a grade of C or higher, with each college course that earns at least 3 semester (4 quarter) units being considered equivalent to one year of high school study
- earn acceptable scores on specified examinations

Non-Transfer of Acceptance

Admission is not transferable either to another term at Cal Maritime or to another CSU campus. Applicants who do not enroll must reapply for admission and must resubmit the application fee and documents.

Document Rights

Cal Maritime reserves the right to determine whether a transcript from another educational institution can be accepted as official. All transcripts and records submitted with the application for admission become the property of Cal Maritime and cannot be returned. Applicants do not have the right to access or review files during the admissions process.

The documents of applicants who enroll are forwarded to the Office of the Registrar and are then accessible for review by the enrolled student, in compliance with the **Family Educational Rights and Privacy Act**. When a student withdraws from enrollment, the documents supporting an application for admission, such as transcripts and entrance examination scores, will be held for at least one year before they are destroyed.

Cancellation of Registration or Withdrawl from the Institution

Students who find it necessary to cancel their registration or to withdraw from all classes after enrolling for any academic term are required to follow Cal Maritime's official withdrawal procedures. Failure to do so may result in: an obligation to pay fees; failing grades being assigned in all courses; and, the need to submit an application for readmission before being permitted to enroll in another academic term.

Prior to withdrawing, students who receive financial aid funds *must consult* with the Financial Aid office, 707-654-1275, regarding any required repayment of grant or loan assistance received for that academic term or payment period. Students who have received financial aid and withdraw from the institution during the academic term or payment period may need to return or repay some or all of the funds received, which may result in a debt owed to the institution.

Non-Discrimination Policy

The California State University Maritime Academy (Cal Maritime) does not discriminate on the basis of race, color, religious creed, national origin, ancestry, disability, medical condition, sex, gender identity/gender expression, sexual orientation, marital status, pregnancy, age, genetic information, and military or veteran status in its educational programs, activities and employment. Cal Maritime complies with all applicable state and federal laws regarding discrimination and harassment against employees, students, applicants, and third parties. We adhere to the California State University (CSU) system policies embodied in the CSU executive orders.

Cal Maritime is committed to creating and maintaining a positive learning and working environment. Compliance inquiries can be made directly to the Executive Director of Human Resources and Title IX Coordinator, Ingrid C. Williams, at iwilliams@csum.edu or 707-654-1135.

Office of Admission

The Office of Admission assists prospective students interested in attending Cal Maritime. The office holds walking tours of the campus, Monday through Friday, except holidays. Prospective students and their families are encouraged to make arrangements at least one week in advance. Appointments can be made online at: http://www.csum.edu/visit

Mail: Office of Admission
CSU Maritime Academy
200 Maritime Academy Drive
Vallejo, CA 94590-8181
Phone: 707-654-1330
Fax: 707-654-1336
Email: admission@csum.edu
Web: www.csum.edu

Open University

Enrollment in Open University is open to only those students who are not currently enrolled in a university. This includes: former Cal Maritime students who have been inactive (matriculation closed) or graduated (alumni); students who have been academically disqualified from Cal Maritime or other institutions; international or nonresident students not enrolled in a university program; and members of the general public. Students who received sanctions of suspension or expulsion from Cal Maritime may not enroll through Open University. Questions regarding sanctions should be directed to the Judicial Officer.

Open University is not open to students who received an approved leave-of-absence/withdrawal, or who elect not to enroll in a semester at Cal Maritime. Students with an approved leave-of-absence are still matriculated and therefore are not eligible to register in Open University.

Students interested in taking courses offered in an impacted program (check the Admissions website) must secure the approval of the department chair and Academic Dean on the Open University form. For a listing of courses which require safety-sensitive clearances, visit the Open University website located under the Office of the Registrar.

Academically disqualified students may elect to enroll at Cal Maritime through Open University to register for courses in which grades of D or F was earned. Cal Maritime repeated course rules apply to Open University courses. All grade attempts for a repeated course will be recorded on the student's transcript and averaged into their GPA calculations. In accordance with the Cal Maritime's Academic Standing policy, students disqualified for a third failure of a course must successfully complete the course prior to readmission. It is recommended that academically disqualified students meet with the department chair for advising prior to enrolling in Open University.

Students may enroll in up to 3 courses per semester, but not exceed 7 units Students may not enroll in directed-, independent-, or individual-study courses, research, thesis, field work, cooperative education or cruise. A maximum of 24 semester units earned through Open University in a non-matriculated status may be applied toward a bachelor's degree. All units attempted through Open University will be calculated in the student's GPA.

Students should print and complete the Open University registration form available at the Registrar's Office website, and attend the first class meeting to get faculty approval to add the course. Although enrollment in Open University courses is based on the availability of space, the Registrar's Office cannot guarantee that students will be permitted to enroll in any class. The faculty have the discretion to manage course enrollment, and to require students to provide evidence of the satisfactory completion of prerequisites that must be completed prior to enrollment. An academic transcript indicating successful completion of course prerequisites must be submitted at the time of application.

Students should attend the first week of classes and secure faculty approval by the second week of the late registration period. Once submitted, Open University Add forms will be processed during the second week of the late registration period. Students must complete the registration process as described on the Open University website and meet all published add/drop deadlines. Open University Add forms will not be processed prior to the start of the semester.

Student must pay Open University fees at the Student Accounts office. The Open University website provides the most current tuition fees. The fees apply to both in-state and out-of-state students. Students should check with the Business office for adjustments or refund policies. Open University students must comply with Cal Maritime and individual department regulations regarding prerequisites, withdrawals, repeats, grading, and student conduct. Health, medical, and food services are available at additional cost, with arrangements are made through the Cashier's office.

Open University students are not eligible for financial aid, campus housing privileges, campus student employment, tutoring, participation in the Corps of Cadets, and watchstanding.

Open University students will be issued a temporary Cal Maritime email address and access to university learning platforms, such as Moodle, which may be required for the course(s). Upon completion of the semester, students may view their grades online or request an official Cal Maritime transcript.

Open University students are not members of the Corps of Cadets and should not dress in uniform. Students will not be permitted to conduct business on campus or attend classes wearing shorts, tee shirts, sandals, or similar attire.

Readmission Requirements

Application for readmission must be completed with the following deadlines:

Readmission Deadlines:

· Fall Semester: August 1st

· Spring Semester: Nov 1st

· Summer Semester: December 1st*

*(Students who plan to take an International Experience course must apply by this deadline).

Students applying after the deadlines above are subject to denial.

Complete information on the readmission process may be found on the Registrar's Office web page at: https://www.csum.edu/web/registrar/readmission

Other documentation required for readmission may include the submission of official college transcripts of work completed during leave, a physical exam, and TB test. Students will be notified if additional documentation is required.

Readmission acceptance is based upon the completion of the requirements for readmission, an assessment of the reason the applicant left Cal Maritime, and also upon the availability of space.

For assistance with readmission, the applicant should call the Registrar's Office at 707-654-1200.

Supplemental Enrollment Options

Enrolled students who have completed at least one term and 12 units on a campus of the California State University, and who are in good standing at their home campus with a 2.00 GPA or higher, may elect to take courses at another CSU host campus, on a space available basis, without formal admission.

Although courses taken at any CSU campus will transfer to the student's home CSU campus as elective credit, students should consult their home campus academic advisors to determine how such courses may apply to their degree programs before enrolling at the host campus.

There are two programs for enrollment within the CSU, and one for enrollment between CSU and the University of California or the California Community College system. A special application detailing policies and procedures may be obtained from the Office of the Registrar.

Intrasystem Enrollment at the CSU

CSU Concurrent Enrollment allows CSU students in good standing the ability to enroll concurrently at another CSU campus for a specific term, subject to the availability of space, and to the registration priority policies at the host campus. Credit earned at the host campus is reported, at the student's request, to the home campus for being included on the student's transcript at the home campus.

CSU Visitor Enrollment allows CSU students in good standing the ability to enroll at another CSU campus for one term, subject to the availability of space, and to the registration priority policies at the host campus. Enrollment as a visitor may be repeated after re-enrollment at the home campus. Credit earned at the host campus is reported, at the student's request, to the home campus for being included on the student's transcript at the home campus.

Intersystem Cross-Enrollment with the University of California or with the California Community College System

Undergraduate students enrolled in the California State University may enroll, without formal admission and without payment of additional CSU fees, in one course in each academic term at a campus of the University of California or at participating campuses of California Community College system subject to the availability of space.

Students may request that a transcript of record be sent to the home campus. Cross enrollment is available to California residents only. Students must have completed one regular term at their home campus as with a 2.00 GPA or higher. Additional details on cross-enrollment policies and procedures are available from the Office of the Registrar.

The Early Admission (EA) Option

Applicants from high school who consider Cal Maritime a top choice may use the Early Admission (EA) option. EA allows students who apply early to receive a decision on their application on December 15th - 1½ months before other applicants.

Candidates are reviewed based on their academic performance in classes as self-reported in the online admission application, their standardized test scores, and (for impacted majors) optional résumés we receive. Although EA applicants should consider Cal Maritime a top choice, the program does not ask students to rush their decision to attend if admitted. Students admitted under this plan will have the same deadline to commit to Cal Maritime as all other admitted students. That date is May 1st.

All of the following criteria must be met to be considered for the Early Admission program:

- EA applicants must be applying as first-time freshmen. The program is not available to transfer students.
- EA applicants must answer "Yes" to the Early Admission question on Cal Maritime's CSUmentor online application.
- The online application and application fee (or fee waiver) must be submitted between October 1st and October 31st. Optional résumés for impacted majors are due by November 30th.
- EA applicants must take the SAT or ACT by the October testing dates.

The Early Admission process includes:

- Applicants who are admitted under the Early Admission program will be notified on December 15th - 1 ½ months before regular admission applicants.
- Admitted students to the Early Admission program will have the same May 1st deadline for committing to Cal Maritime as those admitted through the later, Regular Admission process.
- Early Admission applicants not accepted for the EA program will be notified on December 15th that their applications will be re-reviewed through the Regular Admission program and receive their decision with the larger group on February 1st.

The Regular Admission (RA) Option

All applicants who do not choose the Early Admission option are evaluated using the Regular Admission option.

The Regular Admission (RA) option includes a longer application window (October 1st through November 30th), and allows test scores from tests as late as December. Freshman RA applicants are all notified about their admission decision by February 1st while transfer applicants are notified on February 15. Commitments to attend by RA admitted students are due May 1st.

Undergraduate Admissions Requirements

First-time freshman requirements
http://www.csum.edu/web/admissions/first-timefreshmen

A student will be considered for admission as a first-time freshman if he/she: (1) is a high school graduate, has earned a Certificate of General Education Development (GED), or has passed the California High School Proficiency Examination; (2) has completed, with grades of C- or higher, each of the courses in the college preparatory subject

requirements (see required and enhanced courses); and, (3) has a qualifying eligibility index for the student's chosen degree program (see Eligibility Index Table).

Test Requirements

Freshman and transfer applicants to impacted or special requirement programs such as Mechanical Engineering, with fewer than 60 semester (or 90 quarter) units must provide SAT or ACT scores in all cases. All applicants to non-impacted programs who have fewer than 60 semester (or 90 quarter) units of transferable college credit are strongly encouraged to submit scores from either the ACT or the SAT Reasoning Test of the College Board. The last test date from which scores are accepted is October for EA applicants and December for RA applicants. Registration information and dates are available from the following web sites:

The College Board (SAT)
Registration Unit, Box 6200
Princeton, NJ 08541-6200
609-771-7588
www.collegeboard.com
School Code: 4035

ACT Registration Unit
P.O. Box 414
Iowa City, IA 52240
319-337-1270
www.act.org
School Code: 0184

Eligibility Index

The eligibility index is the combination of a high school grade point average and a score on either the composite ACT score or the combined best math and best critical reading SAT scores.

The student's grade point average (GPA) is based on grades earned in a set of required college preparatory "A-G" courses taken during the final three years of high school, with bonus points for approved honors courses (excluding courses such as physical education and military science).

Up to 8 semesters of honors courses taken in the last three years of high school, including up to 2 approved courses taken in the 10th grade can be accepted. Each unit of A in an honors course will receive a total of 5 grade points; B, 4 points; and C, 3 points. No additional points will be awarded for a grade of D.

A CSU Eligibility Index (EI) can be calculated in either of two ways: multiplying the student's GPA by 800 and adding it to the mathematics and critical reading scores on the SAT, or multiplying the GPA by 200 and adding it to 10 times the ACT composite score. Thus:

If the SAT has been taken:
EI = (SAT scores in mathematics and critical reading) + (800 x high school GPA)

If the ACT has been taken:
EI = (10 x ACT composite score without the writing score) + (200 x high school GPA)

California high school graduates (residents of California) and residents of WUE/WICHE (Western Undergraduate Exchange/Western Interstate Commission for Higher Education) states need a minimum EI of 2900 using the SAT, or

694 using the ACT. A higher EI may be required of residents of WICHE states for certain majors. The Eligibility Index Table illustrates several combinations of required test scores and averages.

Non-residents from states outside the WUE need a minimum EI of 3502 (SAT) or 842 (ACT). U.S. citizens who are graduates of secondary schools in foreign countries must be judged to have academic preparation and abilities equivalent to applicants eligible under this section.

No matter how high a student's GPA may be, all applicants for admission are expected to take the SAT or ACT and provide the scores of such tests to Cal Maritime. These test results are used for advising and placement purposes. In addition, given the academic rigor of the unique curriculum, ACT or SAT scores may be required for some majors.

Special Admissions Criteria for WICHE States

Cal Maritime, under its special mission as a West Coast maritime academy, will consider out-of-state applicants from the western U.S. (defined by WICHE) by using the California resident eligibility index. A higher index may be required of residents of WICHE states for certain majors. Updated information is available online at: http://www.csum.edu/web/admissions/first-timefreshmen

WICHE states are Alaska, Arizona, Colorado, Hawaii, Idaho, Montana, Nevada, New Mexico, North Dakota, Oregon, South Dakota, Utah, Washington, Wyoming, and the Commonwealth of Northern Mariana Islands.

Subject Requirements

The California State University requires that first-time applicants complete, with grades of C or higher, a comprehensive set of college-preparatory courses (UC/CSU) "A- G list") totaling 15 units (with a "unit" consisting of one year of study in high school):

A. 2 years of the social sciences, including 1 year of U.S. history or U.S. history and government
B. 4 years of English
C. 3 years of math (algebra I , geometry, and algebra II)
D. 2 years of laboratory sciences (1 year biological and 1 year physical, both with labs)
E. 2 years of the same foreign language (subject to waiver for applicants demonstrating equivalent competence)
F. 1 year of the visual and performing arts: art, dance, drama/theater, or music
G. 1 year of electives selected from English, advanced mathematics, social sciences, history, laboratory sciences, foreign language, visual and performing arts, or other courses approved and included on the UC/CSU "A-G List"

Alternate Criteria for Home Schooled Students

Students completing high school through home schooling are expected to meet the same admissions requirements as students attending traditional schools. Home schooled students may be affiliated with high schools or public school districts. In such cases, courses submitted to meet the college preparatory subject requirements must appear on the UC/CSU "A-G List". For home schooled students who are not affiliated with high schools or districts, and who have insufficient courses from the UC/CSU "A-G List", Cal Maritime will review the application on an individual basis to determine that all admissions requirements have been met.

Home-schooled applicants may be asked to submit supplemental information like SAT subject exam scores, ACT subscores, and AP exam scores to document completion of CSU eligibility requirements.

Eligibility Index Table for Residents of California (All Majors) and WUE/WICHE States (In Certain Majors)

GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score	GPA	ACT Score	SAT Score
3.00 and above qualifies with any score			2.81	14	660	2.60	18	820	2.39	22	990	2.18	26	1160
			2.80	14	660	2.59	18	830	2.38	22	1000	2.17	26	1170
			2.79	14	670	2.58	18	840	2.37	22	1010	2.16	27	1180
2.99	10	510	2.78	14	680	2.57	18	850	2.36	23	1020	2.15	27	1180
2.98	10	520	2.77	14	690	2.56	19	860	2.35	23	1020	2.14	27	1190
2.97	10	530	2.76	15	700	2.55	19	860	2.34	23	1030	2.13	27	1200
2.96	11	540	2.75	15	700	2.54	19	870	2.33	23	1040	2.12	27	1210
2.95	11	540	2.74	15	710	2.53	19	880	2.32	23	1050	2.11	28	1220
2.94	11	550	2.73	15	720	2.52	19	890	2.31	24	1060	2.10	28	1220
2.93	11	560	2.72	15	730	2.51	20	900	2.30	24	1060	2.09	28	1230
2.92	11	570	2.71	16	740	2.50	20	900	2.29	24	1070	2.08	28	1240
2.91	12	580	2.70	16	740	2.49	20	910	2.28	24	1080	2.07	28	1250
2.90	12	580	2.69	16	750	2.48	20	920	2.27	24	1090	2.06	29	1260
2.89	12	590	2.68	16	760	2.47	20	930	2.26	25	1100	2.05	29	1260
2.88	12	600	2.67	16	770	2.46	21	940	2.25	25	1100	2.04	29	1270
2.87	12	610	2.66	17	780	2.45	21	940	2.24	25	1110	2.03	29	1280
2.86	13	620	2.65	17	780	2.44	21	950	2.23	25	1120	2.02	29	1290
2.85	13	620	2.64	17	790	2.43	21	960	2.22	25	1130	2.01	30	1300
2.84	13	630	2.63	17	800	2.42	21	970	2.21	26	1140	2.00	30	1300
2.83	13	640	2.62	17	810	2.41	22	980	2.20	26	1140			

2.82	13	650	2.61	88	820	2.40	22	980	2.19	26	1150	Below 2.00 does not qualify for regular admissions.

The CSU uses only the SAT mathematics and critical reading scores, or the ACT composite score, in its admissions eligibility equation. The SAT or ACT writing scores are not currently used by CSU campuses.

Enhanced Requirements for Residents of WUE/WICHE States (In Certain Majors) and Out-Of-State Residents from Outside WUE (All Majors)

GPA	2.45	2.6	2.8	3.0	3.2	3.61+
SAT	1550	1430	1270	1110	950	Any score
ACT	36	33	29	25	21	Any score

Enhanced Requirements for First-Time Freshman Applicants to Impacted Majors

The Marine Transportation, Marine Engineering Technology, Facilities Engineering Technology, and Mechanical Engineering majors have been designated as impacted. An undergraduate major or campus is designated as impacted when the number of applications received from fully-qualified applicants during the initial filing period exceeds the number of available spaces. As a result, applications to these majors will be reviewed on a competitive basis, with a higher qualifying Eligibility Index and additional required courses taken in high school or college.

Mechanical Engineering First-Time Freshman Impaction Plan for Fall 2016

Additional Required and Recommended Admission Criteria

All applicants must apply within the October/November application period and complete the application within a timely manner.

Freshman Applicants

- All applicants must receive an SAT Math score of at least 550 or ACT Math score of 23
- The most recent math course (at least the immediate prerequisite to calculus) must be passed with a "C-" or better within five years of the application term.

- All other basic CSU eligibility requirements must be met.
- The following items are recommended
    - Completion of a high school course in physics
    - (New for Fall 2016 applicants) Completion of four years of high school math
    - Submission of a résumé including the applicant's background connected to engineering, leadership, and/or the maritime industry

Selection Methodology: Freshman Applicants

- An index score is calculated based on grade point average and SAT or ACT scores.
- Once an index score has been computed for each student, a minimum index score and (possibly) a minimum SAT math score or equivalent ACT math score will be used to match qualifying applications with the available number of freshman admission spaces.
- A faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission consideration.

Facilities Engineering Technology and Marine Engineering Technology Impaction Plan for Fall 2016

Additional Required and Recommended Admission Criteria

All applicants must apply within the October/November application period and complete the application within a timely manner.

Freshman Applicants

- All applicants must submit an SAT or ACT score so that an index score can be computed for everyone.
- The most recent math course (at least algebra II) must be passed with a "C-" or better within five years of the application term
- (New for Fall 2016 applicants) A minimum Math SAT score of 450 or ACT math score of 18
- All other basic CSU eligibility requirements must be met.
- The following items are recommended
    - Completion of a course in pre-calculus (or equivalent course).
    - Completion of a course in physics.
    - (New for Fall 2016 applicants) completion of four years of high school math
    - Submission of a résumé including the applicant's background connected to engineering, leadership, and/or the maritime industry

Selection Methodology: Freshman Applicants

- Once an index score has been computed for each student, a minimum index score and (possibly) a minimum SAT math score or equivalent ACT math score will be used to match qualifying applications with the available number of freshman admission spaces.
- A faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission offers.

Marine Transportation Impaction Plan for Fall 2016

Additional Required and Recommended Admission Criteria

All applicants must apply within the October/November application period and complete the application within a timely manner.

Freshman Applicants

- All applicants must submit an SAT or ACT score so that an index score can be computed for everyone.
- The most recent math course (at least algebra II) must be passed with a "C-" or better within five years of the application term
- (New for Fall 2016 applicants) A minimum SAT math score of at least 450 or ACT math score of 18
- All other basic CSU eligibility requirements must be met.
- The following items are recommended
    - Completion of a course in pre-calculus (or equivalent course).
    - Completion of a course in physics.
    - (New for Fall 2016 applicants) completion of four years of high school math
    - Submission of a resumé including the applicant's background connected to engineering, leadership, and/or the maritime industry

Selection Methodology: Freshman Applicants

- Once an index score has been computed for each student, a minimum index score and (possibly) a minimum SAT math score or equivalent ACT math score will be used to match qualifying applications with the available number of freshman admission spaces.
- A faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission offers.

Conditional Admissions for First-Time Freshman Applicants

All admissions offers at Cal Maritime begin as conditional offers of admission. The specific conditions are noted on the initial offer of admission. A common condition of admission is the verification of academic information provided in the online application based on the final transcripts received by the summer deadline. These final transcripts also verify that the student has remained eligible for admission based on grades received in courses from the final one or two semesters of their schooling.

In no case may documentation of high school graduation be received any later than the census date for a student's first term of CSU enrollment.

Cal Maritime may rescind admissions decisions, cancel financial aid awards, withdraw housing contracts, and cancel any university registration for students who are found not to be eligible after the final transcript has been evaluated.

Applicants will qualify for regular (non-provisional) admissions when Cal Maritime verifies that they have graduated and received a diploma from high school, have a qualifying minimum eligibility index, have completed the

comprehensive sequence of college-preparatory "A-G" subjects, and, if applying to an impacted program or campus, have met all supplementary criteria.

Cal Maritime reserves the right to revoked the admission or cancel the enrollment eligibility of an entering student if any printed, published, or e-mailed deadline is missed from the time a student submits their enrollment deposit to the time they arrive for New Student Orientation. It is the student's responsibility to check for notices of missing items or necessary actions in their Student Portal "To-Do List" and their official e-mail account. The non-refundable $500 deposit is forfeited if a student's enrollment is canceled due to the actions or inactions of the student. Providing false application information or not maintaining admission eligibility are also grounds for revoking an admission offer. Students may appeal canceled admission or enrollment by using the admission appeal process described at http://www.csum.edu/web/admissions/admissiondecision-appeal-process.

Cal Maritime reserves the right and sole discretion to select its students and deny admission to any applicant based on his or her suitability and the best interests of the institution.

Placement and Remediation

Systemwide placement test requirements

The California State University requires each entering undergraduate, except those who qualify for an exemption, to take the CSU Entry Level Mathematics (ELM) examination and the CSU English Placement Test (EPT) prior to enrollment. These placement tests are not a condition for admission to the CSU, but they are a condition for enrollment. These examinations are designed to identify entering students who may need additional support in acquiring entry-level college English and mathematics skills that are necessary to succeed in CSU baccalaureate-level courses. Undergraduate students who do not demonstrate college-level skills both in English and in mathematics must take remedial coursework. Students taking remedial courses in either English or mathematics must complete all remediation in their first year of enrollment. Failure to do so may result in denial of enrollment for future terms.

Students may register for the EPT or the ELM at www.ets.org/csu. Testing opportunities are available at any campus of the CSU system.

English Placement Test (EPT)

The CSU English Placement Test (EPT) is designed to assess the level of reading and writing skills of entering undergraduate students so that they can be placed in appropriate baccalaureate-level courses. The CSU EPT must be completed by all entering undergraduates, with the exception of those who present proof of one of the following:

- A score of "Exempt" or "Ready for college-level courses" on the CSU Early Assessment Program (EAP), taken in grade 11 along with the California Standards Test (CST) in English Language Arts
- A score of 500 or higher on the critical reading section of the College Board SAT Reasoning test
- A score of 22 or higher on the American College Testing (ACT) English test
- A score of 680 or higher on the re-centered and adjusted College Board SAT II: Writing test taken in May 1998 or later
- A score of 3 or higher on either the English Language and Composition or the English Literature and Composition examination of the College Board Advanced Placement (AP) program
- Completion and transfer to CSU of the credits for a college course that satisfies the CSU General Education requirement in English Composition, provided such a course was completed with a grade of C or higher

Entry Level Mathematics (ELM) Placement Examination

The Entry Level Mathematics (ELM) placement examination is designed to assess the skill levels of entering undergraduate students in those areas of mathematics that are typically covered in three years of college-preparatory mathematics courses in high school (Algebra I, Geometry, and Algebra II). The CSU ELM must be completed by all entering undergraduates, with the exception of those who present proof of one of the following:

- A score of 550 or higher on the mathematics section of the College Board SAT Reasoning test or on the College Board SAT Subject test - Mathematics Level 1 or Level 2
- A score of 23 or higher on the American College Testing (ACT) Mathematics Test
- A score of 3 or higher on the College Board Advanced Placement (AP) Calculus AB or Calculus BC exam or Statistics exam
- Completion and transfer to CSU of a course that satisfies the CSU General Education requirement in Quantitative Reasoning, provided such a course was completed with a grade of C or higher
- A score of "Exempt" or "Ready for college- level Mathematics courses" on the CSU Early Assessment Program (EAP), taken in grade 11 along with the CST in Summative High School Mathematics or Algebra II
- A score of "Conditionally ready for college-level Mathematics courses" or "Conditional" on the CSU Early Assessment Program (EAP), taken in grade 11 along with the CST in Summative High School Mathematics or Algebra II, with the successful completion of a CSU-approved 12th grade math course that requires Algebra II as a prerequisite

Early Start Program

http://www.csum.edu/web/ admissions/early-start-program

The CSU recently enacted a program known as "Early Start." It requires incoming students (California residents only) who do not demonstrate readiness for college-level math or English to begin remediation (enroll in and complete approved remedial courses) during the summer before coming to the CSU campus at which they seek to enroll. The goals of Early Start are to better prepare students in math and English before their first semester, thereby improving their chances of completing a college degree.

The Early Start program's steps include taking the ELM and EPT tests, informing Cal Maritime about the school at which the student will complete the Early Start program, and submitting proof of course completion. Leaving any of these steps incomplete is grounds to remove the student from fall semester enrollment. Deadlines to be met and more detailed explanations can be found on the admissions web site.

All students who require remediation (including those in the Early Start program) are urged to seek out summer courses that fully complete the remediation process rather than courses that only begin remediation.

Proficiency After Enrollment

Cal Maritime may offer courses in remedial English (Introduction to English Composition) and mathematics (Intermediate Algebra) for those who did not complete remediation in the summer before enrollment. Students must be proficient in both math and English by the end of the first academic year (by the end of the second semester). Students failing to do so may be disqualified from further enrollment at Cal Maritime.

Undergraduate Transfer Admissions Requirements

Transfer Student Admissions

The Marine Transportation, Marine Engineering Technology, Facilities Engineering Technology, and Mechanical Engineering majors have been designated as impacted. An undergraduate major or campus is designated as impacted when the number of applications received from fully qualified applicants during the initial filing period exceeds the number of available spaces.

As a result, applications to these majors will be reviewed based on the quantity and academic quality of the transfer applicant. Applicants are encouraged to complete pre-calculus before transferring. In addition, applicants may submit a resumé indicating leadership or experience.

Mechanical Engineering Transfer Student Impaction Plan for 2016

Additional Required and Recommended Admission Criteria

Lower Division Transfer Applicants

- One of the following math requirements must be met.
  - A college-level math course that is an immediate prerequisite to calculus must be passed with a "C-" or better within five years of the application term to be eligible for consideration along with a math SAT score of at least 550 or ACT math score of 23.
  - A college-level calculus course must be passed with a "C-" or better within five years prior to the application term.
- All other CSU eligibility requirements must be met.
- The following items are recommended
  - (New for Fall 2016 applicants) A college-level calculus II course passed with a "C-" or better within five years of the application term. Equivalent credit from passing the AP Calculus BC Exam may be used.
  - (New for Fall 2016 applicants) A college-level physics course (calculus-based with lab or engineering physics with a lab) passed with a "C-" or better within five years of the application term
  - (New for Fall 2016 applicants) A college-level chemistry course (with lab) passed with a "C-" or better
  - Submission of a résumé including the applicant's background connected to engineering, leadership, and/or the maritime industry

Upper Division Transfer Applicants

- (New for Fall 2016 applicants) A college-level calculus II course passed with a "C-" or better within five years of the application term. Equivalent credit from passing the AP Calculus BC Exam may be used
- (New for Fall 2016 applicants) A college-level physics course (calculus-based with lab or engineering physics with a lab) passed with a "C-" or better within five years of the application term
- (New for Fall 2016 applicants) A college-level chemistry course (with lab) passed with a "C-" or better
- Passing the three non-math "Golden Four" courses required for upper-division transfer admission to the CSU System (College-level English, Critical Thinking, and Oral Communication)
- The following item is recommended: Submission of a résumé including the applicant's background connected to engineering, leadership, and/or the maritime industry

Selection Methodology: Lower Division Transfer Applicants

- An index score is calculated based on high school grade point average and SAT or ACT scores.
- Once an index score has been computed for the high school careers of each student and the available college GPA has been calculated, a minimum score and/or GPA will be used to match qualifying applications with the available number of lower-division transfer admission spaces.

- If possible, a faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission consideration.

Selection Methodology: Upper Division Transfer Applicants

- Once applicants have been sorted based on College GPA, a minimum GPA will be used to match qualifying applications with the available number of upper division transfer admission spaces.
- If possible, a faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission consideration.

Facilities Engineering Technology and Marine Engineering Technology Transfer Student Impaction Plan for Fall 2016

Additional Required and Recommended Admission Criteria

Transfer Applicants

- Must pass a college algebra course (or higher level) with a "C-" or better within five years prior to the application term to be eligible for consideration.
- All lower division applicants must submit an SAT or ACT score.
- All other CSU eligibility requirements must be met.
- The following items are recommended
    - Completion of a course in pre-calculus (or equivalent course).
    - Completion of a course in physics.
    - (New for Fall 2016 applicants) completion of four years of high school math
    - Submission of a résumé including the applicant's background connected to engineering, leadership, and/or the maritime industry

Selection Methodology: Lower Division Transfer Applicants

- Once an index score has been computed for the high school careers of each student and the available college GPA has been calculated, a minimum score and/or GPA will be used to match qualifying applications with the available number of lower-division transfer admission spaces.
- If possible, faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission offers

Selection Methodology: Upper Division Transfer Applicants

- Once applicants have been sorted based on College GPA, a minimum GPA will be used to match qualifying applications with the available number of upper division transfer admission spaces.
- If possible, a faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission offers.

Marine Transportation Transfer Student Impaction Plan for Fall 2016

Additional Required and Recommended Admission Criteria

Transfer Applicants

- Must pass a college algebra course (or higher level) with a "C-" or better within five years prior to the application term to be eligible for consideration.
- All lower division applicants must submit an SAT or ACT score.
- All other CSU eligibility requirements must be met.
- The following items are recommended
    - Completion of a course in pre-calculus (or equivalent course).
    - Completion of a course in physics.
    - Submission of a résumé including the applicant's background connected to engineering, leadership, and/or the maritime industry

Selection Methodology: Lower Division Transfer Applicants

- Once an index score has been computed for the high school careers of each student and the available college GPA has been calculated, a minimum score and/or GPA will be used to match qualifying applications with the available number of lower-division transfer admission spaces.
- If possible, a faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission offers

Selection Methodology: Upper Division Transfer Applicants

- Once applicants have been sorted based on College GPA, a minimum GPA will be used to match qualifying applications with the available number of upper division transfer admission spaces.
- If possible, a faculty committee will evaluate students with academics near the impaction minimum to ensure those with remarkable backgrounds or experiences receive admission offers.

California STAR Act (SB 1440)

The Student Transfer Achievement Reform Act (SB 1440/Padilla) establishes a transfer Associate of Arts (AA-T) or Associate of Science (AS-T) degree for California community college students and is designed to provide a clear pathway to CSU degree majors. The Student Transfer Agreement Reform Act (STAR) commenced in fall 2011.

Students who receive a California community college associate's degree for transfer are eligible for admission as juniors in the California State University (CSU) system. A student who has earned one of these transfer degrees will not be guaranteed admission for a specific major or campus, but will be given priority admissions consideration to their local CSU campus, and to a program or major that is determined by the CSU to be similar to the transfer associate's degree. Upon enrollment at the CSU campus, the student will be eligible to graduate with sixty remaining semester units.

For the most current list of Cal Maritime majors and community colleges with degrees that have been designated as similar and eligible for STAR Act transfer students, please visit the following web page:
http://www.csum.edu/web/admissions/transfers

Transfer Students' Time to Graduation

Transfer students may require four years of study at Cal Maritime in order to complete the bachelor's degree and license requirements.

This is because:

- by federal law, the minimum period of training shall be three years. The USCG approved deck and engine programs are four year programs

- degrees at Cal Maritime require up to 183 semester units. Most of the courses are specialized because of license requirements and are not available at other colleges
- students are allowed few open electives, and not every type of general education class is transferable to the degree program at Cal Maritime
- as a small college, Cal Maritime cannot offer all courses every semester. The courses are scheduled sequentially according to a set curriculum

For admission, a lower-division transfer student must have a minimum GPA of 2.0 (2.4 for non-residents), and an upper-division transfer student (more than 60 semester or 90 quarter units of college credit) must have a minimum GPA of 2.0 (2.4 for non-residents).

Lower-division transfer

To transfer with fewer than 60 transferable units (90 quarter units), you must do the following:

- submit your high school transcript
- submit SAT or ACT scores, unless your high school GPA was above 3.00
- make up any high school deficiencies on a course-by-course basis, usually by completing General Education courses
- earn at least a 2.00 GPA in all college work
- have met the CSU eligibility index with your high school courses
- earn a C- or higher in each General Education course
- be in good standing at the last educational institution attended

All Lower Division Transfer students must complete two subject areas with a grade of C- or higher prior to admission at Cal Maritime:

- a college English composition course (CSU General Education requirement A2)
- a college math course (CSU General Education requirement B4).

It is highly recommended, but not required, that students take a college pre-calculus course.

Students may also take elective courses applicable to their Cal Maritime major. To view the course curriculum for Cal Maritime majors, visit: https://www.csum.edu/web/majors/majors

Upper-division transfer

To transfer with more than 60 transferable semester units (90 quarter units), you must do the following:

- earn at least a 2.0 GPA in all college work
- be in good standing at the last educational institution attended.

All upper-division transfer students should complete four subject areas with a grade of C- or higher prior to admission at Cal Maritime:

- a college English composition course (CSU General Education requirement A2);
- a college math course (CSU General Education requirement B4)
- a critical thinking / English literature course (CSU General Education requirement A3)
- an oral communication course (CSU General Education area A1)

These are often referred to as the "Golden 4" requirements. It is highly recommended, but not required, that students take a college pre-calculus course.

Students are also expected to have taken academic elective courses applicable to their Cal Maritime major. To view the course curriculum for Cal Maritime majors, visit: https://www.csum.edu/web/majors/majors

Transfer credit

Types of college credit given prior to enrollment for courses that meet degree requirements are as follows (see Cal Maritime equivalency tables at the end of this section):

- college work from regionally accredited institutions as listed in the American Association of Collegiate Registrars and Admissions Officers "Transfer Credit Practices of Designated Educational Institutions" information exchange report
- applicable Advanced Placement (AP) coursework completed with a score of 3, 4, or 5 on the AP test for that course.
- applicable International Baccalaureate (IB) coursework completed with a minimum score on the IB test for that course.
- College Level Examination Program (CLEP) exams in the areas of natural science, humanities (not including English), and social science/ history.
- military educational experiences in the armed services as listed in the American Council on Education "Guide to Evaluation of Educational Experiences in the Armed Services"

College credit will not be given prior to enrollment for the following:

- transfer courses graded as "credit" if not verified as equivalent to a grade of C- or higher
- some transfer courses older than 10 years. This time period may be even shorter for some courses that are technical or that have specific requirements by licensing agencies

Conditional admissions

All admissions offers at Cal Maritime begin as conditional offers of admission. The specific conditions are noted on the initial admissions offer. A common condition of admission is verification that the spring semester transcript confirms that the student has remained eligible for admission based on grades received in courses from that semester.

Conditional Admissions Transfer Applicants

All admissions offers at Cal Maritime begin as conditional offers of admission. The specific conditions are noted on the initial offer of admission. A common condition of admission is the verification of academic information provided in the online application based on the final transcripts received by the summer deadline. These final transcripts also verify that the student has remained eligible for admission based on grades received in courses from the final one or two semesters of their schooling.

Cal Maritime may rescind admissions decisions, cancel financial aid awards, withdraw housing contracts, and cancel any university registration for students who are found not to be eligible after the final transcript has been evaluated.

Cal Maritime reserves the right to revoked the admission or cancel the enrollment eligibility of an entering student if any printed, published, or e-mailed deadline is missed from the time a student submits their enrollment deposit to the time they arrive for New Student Orientation. It is the student's responsibility to check for notices of missing items or necessary actions in their Student Portal "To-Do List" and their official e-mail account. The non-refundable $500 deposit is forfeited if a student's enrollment is canceled due to the actions or inactions of the student. Providing false application information or not maintaining admission eligibility are also grounds for revoking an admission offer. Students may appeal canceled admission or enrollment by using the admission appeal process described at http://www.csum.edu/web/admissions/admission-decision-appeal-process.

Cal Maritime reserves the right and sole discretion to select its students and deny admission to any applicant based on his or her suitability and the best interests of the institution.

Adult Student Admissions

As an alternative to regular admissions criteria, an applicant who is 25+ years of age by the first day of classes is considered for special admission. An adult student must meet the following conditions (in addition to supplementary criteria of Cal Maritime for admission or for U.S. Coast Guard license):

- possess a high school diploma or its equivalent (G.E.D. or California High School Proficiency Examination)
- have no prior enrollment in college as a full-time college student (12+ units per semester) for more than one term during the past five years
- have an average GPA of 2.0 (C or higher) on all college coursework in the past five years
- meet the English and mathematics requirements for either first-time freshmen or transfer students with grades of C- or higher
- be in good standing at the last educational institution attended

Also recommended:

- successful completion, with a grade of C- or higher, a college-level algebra/trigonometry course in the past five years or work in a related technical field within the last two years
- successful completion, with a grade of C- or higher, a college-level English composition course

Veteran Student Admissions

http://www.csum.edu/web/admissions/veterans

The California State University's "Troops to College" initiative allows Cal Maritime to exercise flexibility with established admissions policies for veterans. Veterans should determine their category of application (first-time freshman, lower-division transfer, or upper-division transfer) and follow the instructions for that application category to the best of their ability.

If some requirements cannot be met, veteran applicants should contact the Admissions office and introduce themselves as a veteran, so exceptions can be discussed and appropriate advice given. In general, veterans who did not meet CSU eligibility in high school or were unsuccessful in attempts at college will need to complete college English and college math with a grade of C- or higher to be admitted.

International Student Admissions Requirements

The CSU must assess the academic preparation of foreign students. For this purpose, international students include those who hold U.S. temporary visas as students, exchange visitors, and those in other non-immigrant classifications.

The CSU uses separate requirements and application filing dates in the admissions process of international students. Verification of English proficiency, financial resources, and academic performance are all important considerations for admission.

International students should use the same application period of October 1 through November 30 of the year prior to the fall semester in which they plan to enroll. Cal Maritime does not accept applications for any other term. In some years, the application period for certain majors may be extended to accommodate additional applications.

International students seeking degrees that require a U.S. Coast Guard license are not eligible for those licenses without first gaining U.S. citizenship. International students in those degree programs will, however, receive their diplomas and letters of completion for presentation to their countries' licensing organizations.

International Student English Test Requirement

The Test of English as a Foreign Language (TOEFL) or the International English Testing System (IELTS) is required of all applicants with fewer than three years of full-time study (70 semester units or 105 quarter units) in countries where English was the primary language of instruction. The SAT or ACT math and verbal/English test scores may be substituted for this requirement by using the CSU eligibility index for non-residents.

The minimum TOEFL score is 61.
The minimum IELTS score is 6.

Academic records from foreign schools must be submitted before an admissions decision is made. If not in English, these records must be accompanied by certified English translations. International applicants are also required to compose an essay and provide an affidavit of financial support.

International students must demonstrate the ability to pay for all educational expenses including books, room and board: approximately $42,000 USD, the amount required to attend Cal Maritime for a year.

This must be done with a certified document either from a governmental agency or organization or from a financial institution handling the individual account of person(s) assuming responsibility for payment. **Financial aid is not available for international students**. International students are assessed fees at the non-resident of California rate.

International students pursuing license-option degrees will be required to obtain a Mariners Document from their country of origin, or other appropriate maritime nation, in order to work as a Third Mate or Third Assistant Engineer on vessels flagged under nations other than the United States.

As a condition of enrollment, all F-1 and J-1 visa applicants must agree to obtain and maintain health insurance as a condition of registration and continued enrollment at Cal Maritime. Such insurance must be in amounts as specified by the United States Information Agency (USIA) and NAFSA: Association of International Educators. The campus President or designee shall determine which insurance policies meet these criteria. Additional information may be obtained by writing the Admissions office.

Resident Aliens

Resident aliens (Permanent Residents) may submit a certified Permanent Resident Card (Form I-551) in lieu of a birth certificate for admissions. The Immigration and Customs Enforcement agency requires a passport or other legal travel document to sail on the training cruise, so students are advised to apply for those documents as soon as possible.

Immigration Requirements for Licensure

The Personal Responsibility and Work Opportunity Reconciliation Act of 1996 (P.L. 104-193), also known as the Welfare Reform Act, includes provisions to eliminate eligibility for federal and state public benefits for certain categories of lawful immigrants as well as benefits for all illegal immigrants.

Students who will require a professional or commercial license provided by a local, state, or federal government agency in order to engage in an occupation for which the CSU may be training them must meet the immigration requirements of the Personal Responsibility and Work Opportunity Reconciliation Act to achieve licensure. Information regarding the application of these requirements is available from the Admissions office.

Conduct by applicants for admission

Admission or readmission may be qualified or denied to any person who, while not enrolled as a student, commits acts which, were he enrolled as a student, would be the basis for disciplinary action, pursuant to Section 41301 or Section

41302. Qualified or denied admission in such cases shall be determined under procedures adopted pursuant to Section 41304.

Importance of filing complete, accurate, and authentic application documents

Cal Maritime advises prospective students that they must supply complete and accurate information on the application for admission, residence questionnaire, health documents, and financial aid forms. In addition, applicants must, when requested, submit authentic and official transcripts of all previous academic work attempted. Failure to file complete, accurate, and authentic application documents may result in denial of admission, cancellation of academic credit, suspension, or expulsion (Section 41301, Article 1.1, Title 5, California Code of Regulations).

Admissions Appeals Process

An applicant who has been denied admission may have that decision reconsidered. The applicant must compose a short letter detailing the reason(s) for the appeal. The letter and supporting documentation (evidence) must supply new information that was not available to the applicant when the original application was submitted. The most updated appeal procedures and policies are online at http://www.csum.edu/web/admissions/admission-decision-appeal-process. Some examples of decisions that a student may appeal:

Missed deadlines for

- application fee
- test scores (ACT or SAT)
- final high school transcript
- college transcript(s)
- acceptance of offer/enrollment deposit
- required math or English placement tests
- remediation in math or English as required but not attempted (Early Start program)

Admissions criteria based decisions such as

- freshman with a low eligibility index
- freshman missing college-prep course(s)
- transfer missing a "golden 4" requirement
- transfer with a low GPA
- transfer with fewer than 60 units and not meeting minimum high school qualifications

Appeal Procedure

All requests must include documentation related to the extraordinary circumstances to be considered for the appeal. Proof must be provided that the established admissions criteria for the type of admission (freshman or transfer) and all deadlines have been met. Also:

- there is a limit of one appeal per application per
- academic term
- the appeal must be received no later than 15 days from the date of the admission decision notification

- Appeal packets must include:
    - A letter of appeal
    - Documentation to support the appeal (e.g., transcripts, SAT/ACT scores, proof of mailing/submission of requested information, etc.)

Appeal letters must be submitted by the applicant. Appeal letters written by anyone other than the applicant will not be considered. Letters of recommendation will not be considered.

Appeal packets must be submitted by:

- Mail to:
  CSU Maritime Academy
  Office of Admissions-Admissions Appeals
  200 Maritime Academy Drive
  Vallejo, CA 94590-8181
- FAX to: 707-654-1336
- e-mail to: admission@csum.edu

After the appeal is received and reviewed, applicants will be notified of the appeal decision within two weeks by e-mail. Appeal applicants are advised to explore other college options or other educational pursuits while waiting for the appeal decision.

Reporting errors made on the application are not a basis for the reversal of a decision.

Decisions rendered are final and non-negotiable.

Systemwide Credit for Advanced Placement Courses

AP Tests

College Board Advanced Placement Courses (AP)	Passing Score	Minimum Semester Credits Earned[1]	Cal Maritime Equivalency	Semester Credits Toward GE Breadth Certification	American Institutions and/or GE Breadth Area[2]
AP Art History	3	6	n/a	3	C1 or C2
AP Biology	3	6	n/a	4	B2+B3
AP Calculus AB[4]	3	3	MTH 210	3	B4
AP Calculus BC[4]	3	6	MTH 210 & MTH 211	3	B4
AP Calculus BC/AB Subscore[4]	3	3	MTH 210 & MTH 211	3	B4
AP Chemistry	3	6	CHE 110/110L	4	B1+B3

AP Chinese Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Comparative Government & Politics	3	3	GMA 215	3	D8
AP Computer Science A[4]	3	3	n/a	0	n/a
AP Computer Science AB[4]	3	6	n/a	0	n/a
AP Computer Science Principles[4]	3	6	n/a	0	n/a
AP English Language	3	6	EGL 100	3	A2
AP English Literature	3	6	EGL 100	6	A2+C2
AP Environmental Science[5]	3	4	n/a	4	B1+B3
AP European History	3	6	n/a	3	C2 or D6
AP French Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP German Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Human Geography	3	3	n/a	3	D5
AP Italian Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Japanese Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Latin	3	3	Language Semester 1 and 2	3	C2
AP Macroeconomics	3	3	ECO 100	3	D
AP Microeconomics	3	3	ECO 101	3	D
AP Physics 1[6]	3	4	PHY 100/100L	3	B1+B3
AP Physics 2[6]	3	4	n/a	4	B1+B3
AP Physics C (electricity/magnetism)[6]	3	4	PHY 200/200L	4	B1+B3
AP Physics C (mechanics)[6]	3	4	PHY 200/200L	4	B1+B3

AP Psychology	3	3	n/a	3	D
AP Spanish Language and Culture	3	6	Language Semester 1 and 2	3	C2
AP Spanish Literature	3	6	n/a	3	C2
AP Statistics	3	3	MTH 107	3	B4
AP Studio Art - 2D	3	3	n/a	0	n/a
AP Studio Art - 3D	3	3	n/a	0	n/a
AP Studio Art - Drawing	3	3	n/a	0	n/a
AP U.S. Government & Politics	3	3	American Institutions II	3	D+US-2
AP U.S. History	3	6	American Institutions I	3	(C2 or D)+US-1
AP World History	3	6	n/a	3	C2 or D

[1]These units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for Academic Affairs Coded Memo AA-2011-12 for details.

[2]Areas of GE Breadth (A1 through E) are defined in EO 1033. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 405, and at assist.org.

[4]If a student passes more than one AP exam in calculus or computer science, only one examination may be applied to the baccalaureate.

[5]Students who pass AP Environmental Science earn 4 units of credit. Tests prior to Fall 2009 may apply to either B1+B3 or B2+B3 of GE Breadth. Fall of 2009 or later, those credits may only apply to B1+B3.

[6]If a student passes more than one AP exam in physics, only six units of credit may be applied to the baccalaureate, and only four units of credit may be applied to a certification in GE Breadth.

Systemwide Credit for College-Level Examination Program Tests

CLEP Tests

College-Level Examination Program (CLEP)	Passing Score	Minimum Semester Credits Earned[1]	Cal Maritime Equivalency	Semester Credits Toward GE Breadth Certification	American Institutions and/or GE Breadth Area[2]

CLEP American Government	50	3	n/a	3	D
CLEP American Literature	50	3	n/a	3	C2
CLEP Analyzing and Interpreting Literature	50	3	n/a	3	C2
CLEP Biology	50	3	n/a	3	B2
CLEP Calculus	50	3	MTH 210	4	B4
CLEP Chemistry	50	3	CHE 110	3	B1
CLEP College Algebra	50	3	n/a	3	B4
CLEP College Algebra - Trigonometry	50	4	MTH 100	3	B4
CLEP English Composition (No Essay)	50	0	n/a	0	n/a
CLEP English Composition with Essay	50	0	n/a	0	n/a
CLEP English Literature	50	3	n/a	3	C2 (before F11)
CLEP Financial Accounting	50	3	n/a	0	n/a
CLEP French[1] Level I	50	6	Language Semester 1 and 2	0	n/a
CLEP French[1] Level II	59	9	Language Semester 1 and 2	3	C2
CLEP Freshman College Composition	50	0	n/a	0	n/a
CLEP German[1] Level I	50	6	Language Semester 1 and 2	0	n/a
CLEP German[1] Level II	60	9	Language Semester 1 and 2	3	C2
CLEP History, United States I	50	3	American Institutions I	3	D+US-1
CLEP History, United States II	50	3	American Institutions 1	3	D+US-1
CLEP Human Growth and Development	50	3	n/a	3	E
CLEP Humanities	50	3	n/a	3	C2

CLEP Information Systems and Computer Applications	50	3	COM 100	0	n/a
CLEP Introduction to Educational Psychology	50	3	n/a	0	n/a
CLEP Introductory Business Law	50	3	n/a	0	n/a
CLEP Introductory Psychology	50	3	n/a	3	D
CLEP Introductory Sociology	50	3	n/a	3	D
CLEP Natural Sciences	50	3	n/a	3	B1 or B2
CLEP Pre-Calculus	50	3	MTH 100	3	B4
CLEP Principles of Accounting	50	3	n/a	0	n/a
CLEP Principles of Macroeconomics	50	3	ECO 100	3	D
CLEP Principles of Management	50	3	n/a	0	n/a
CLEP Principles of Marketing	50	3	n/a	0	n/a
CLEP Principles of Microeconomics	50	3	ECO 101	3	D
CLEP Social Sciences and History	50	3	n/a	3	n/a
CLEP Spanish[1] Level I	50	6	Language Semester 1 and 2	0	n/a
CLEP Spanish[1] Level II	63	9	Language Semester 1 and 2	3	C2
CLEP Trigonometry	50	3	n/a	3	B4 (before F06)
CLEP Western Civilization I	50	3	n/a	3	C2 or D
CLEP Western Civilization II	50	3	n/a	3	D

*These units count toward eligibility for admission. The units may not all apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for details.

**Areas of GE Breadth (A1 through E) are defined in EO 1100. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 1061, and at assist.org.

[1]For CLEP tests in the same language other than English:

- Only one exam score may be applied towards the CSU degree.
- A passing score of 50 is considered "Level I" and earns six units of baccalaureate credit.
- A passing score higher than 50 is considered "Level II" and earns additional units of credit and placement in Area C2 of GE Breadth.

Systemwide Credit for International Baccalaureate Exams

IB Tests

International Baccalaureate (IB)	Passing Score	Minimum Semester Credits Earned[1]	Cal Maritime Equivalency	Semester Credits Toward GE Breadth Certification	American Institutions and/or GE Breadth Area[2]
IB Biology HL	5	6	n/a	3	B2
IB Chemistry HL	5	6	CHE 110	3	B1
IB Economics HL	5	6	n/a	3	D
IB Geography HL	5	6	n/a	3	D
IB History (any region) HL	5	6	n/a	3	C2 or D
IB Language A[1] (any language) HL	4	6	n/a	3	C2
IB Language A[2] (any language) HL	4	6	n/a	3	C2
IB Language B (any language) HL[8]	4	6	n/a	0	n/a
IB Mathematics HL	4	6	n/a	3	B4
IB Physics HL	5	6	n/a	3	B1

IB Psychology HL	5	3	n/a	3	D
IB Theatre HL	4	6	n/a	3	C1

*These units count toward eligibility for admission. The units may not apply towards Associate Degrees for Transfer (AD-T) or the baccalaureate degree. The units may not all apply toward certification of the corresponding GE-Breadth area. See Executive Orders 1036 and 1100 for details.

**Areas of GE Breadth (A1 through E) are defined in EO 1100. Areas of American Institutions (US-1 through US-3) are set forth in Sections IA and IB of EO 1061, and at assist.org.

***The IB curriculum offers language at various levels for native and non-native speakers. Language B courses are offered at the intermediate level for nonnatives. Language A1 and A2 are advanced courses in literature for native and non-native speakers, respectively.

Corps of Cadets

The Corps of Cadets is what sets Cal Maritime apart from most other colleges and universities in the United States. Every Cal Maritime student has an opportunity to be a cadet in the Corps of Cadets. The Corps of Cadets is a structured program focused on developing leadership and professionalism designed to enhance the character and abilities of each student. Students choose to apply and are accepted by the Academy into the Corps of Cadets, understanding that they are enrolling in a unique and selective educational experience with high standards.

The Academy provides a strong academic foundation and a supportive structure for personal growth. Cadets are expected to meet high standards of conduct, pursue academic excellence, and follow rules that build accountability, responsibility, and self-discipline.

The principles of honor, integrity, and loyalty, which have long defined the professional merchant marine officer, are central to the cadet experience. The Academy's rigorous expectations prepare graduates for success in a wide range of high-demand careers.

The Corps functions as the most visible mechanism for the delivery of the widest range of direct leadership experience opportunities on campus. All Corps members develop positive and desirable leadership traits, such as bearing, discipline, initiative, integrity, justice, loyalty, reliability, responsibility, selflessness, and tact. Much is asked of every cadet at Cal Maritime, and the development of self-discipline is critical to the success of each member in the Corps.

The Corps is led by approximately 20 cadet leaders appointed by the Office of Cadet Leadership & Development (CLD) through a rigorous interview and evaluation process. The Corps Commander is the highest ranking cadet and works closely with CLD and the Corps Leadership Team to foster Pride, Teamwork, Professionalism and Self-Discipline. Every new cadet is placed in a division upon entry into Cal Maritime. Division Commanders work closely with all cadets in fostering community, divisional pride and adherence to high standards.

- Edwards Leadership Development Program
- Corp of Cadets Membership
- Office of Cadet Leadership & Development
- Watchstanding
- Corp of Cadets Rules & Regulations
- Drug Testing

The Edwards Leadership Development Program

The Edwards Leadership Development Program (ELDP) is a collaborative effort between Academic Affairs, Cadet Leadership & Development, and Student Affairs. The Edwards Leadership Development Program (ELDP), made available through the generosity of Tom and Libby Edwards, is designed to educate and train students and cadets to

become strong, effective leaders. ELDP integrates experiential learning with academic coursework, drawing inspiration from the Outward Bound and National Outdoor Leadership School (NOLS) models. It emphasizes outdoor expeditions, progressive leadership training, and peer mentorship to create a unified and holistic leadership development experience. In alignment with the donors' intent, key leadership skills are now embedded across several academic courses, ensuring that students and cadets develop the capabilities needed to succeed in their professional careers, where well-trained and proven leaders are in high demand.

Corps of Cadets Membership

Beginning with the start of the Fall 2024 semester, Cal Maritime began offering two distinct pathways, or academic experiences, for eligible students, like programs offered at several other state maritime academies. The two pathways are a Corps of Cadets program and a traditional student path outside of the Corps of Cadets. In line with federal regulations and several degree program accreditation requirements, students in select programs are required to be members of the Corps of Cadets. In such cases, the traditional student experience path is not an option for those in some degree programs.

In accordance with federal regulations, students under instruction or berthed aboard the training ship are members of Cal Maritime Corps of Cadets. In line with accreditation body (ABET) requirements for Engineering, students in Facilities Engineering Technology and non-license track Mechanical Engineering programs must participate in the corps for a portion of their degree program. Once these curricular requirements are fulfilled, students may elect to withdraw from the Corps.

CORPS OF CADETS - MEMBERSHIP REQUIRED FOR LICENSE TRACK

Students seeking to pursue a U.S. Coast Guard license must be a cadet in the Corps of Cadets. Students who pursue a USCG license will be qualified to work onboard commercial vessels once they are licensed. Additionally, there are certain **academic programs** at Cal Poly Maritime Academy that require membership in the Corps of Cadets for a portion of the degree program.

In addition to following established rules and regulations and participating in all Corps of Cadets activities during the school year, cadets will also participate in **Summer Sea Terms** aboard the training ship.

OPT-IN CORPS OF CADETS - LEADERSHIP AND LIFE SKILLS

Students enrolled in degree programs which do not require them to be a member of the Corps of Cadets, yet those who seek the lifestyle and leadership training that the Corps of Cadets offers may choose to opt-in to the Corps of Cadets. Students who opt-in will be required to abide by cadet rules and regulations, including wearing a uniform and participating in all required Corps of Cadets activities.

Rather than participate in the Summer Sea Term aboard the training ship, these cadets will participate in International Experience, internships, and co-ops as outlined in their degree program.

Students interested in Opting-In should email Office_CLD@csum.edu.

Office of Cadet Leadership & Development

The Office of Cadet Leadership & Development (CLD) is responsible for overseeing the Corps of Cadets. It is involved in many of the day-to-day activities of the Corps, including training Corps Leaders, and providing opportunities focused on developing leadership and professionalism to all cadets.

You can find our office in Morrow Cove.

Watchstanding

Watchstanding is an important element of leadership development and is essential for each cadet's future success, whether at sea or ashore. Cadets stand watch either on the *Training Ship GOLDEN BEAR* or on campus. As they develop their skills, cadets are placed in positions of increasing levels of responsibility. As their knowledge grows, they oversee and direct the actions of others during periods of watch.

Watches are scheduled in 4-hour blocks from 1600 - 0800 the next every day including weekends. Watches provide important learning experiences for cadets, and they also assist Cal Maritime in providing a high level of security and safety, both on campus and the ship.

Corps of Cadets Rules & Regulations

Another important element of leadership development is standards of conduct. All cadets are subject to rules and regulations that characterize the objectives set forth in the development of their leadership and professional skills. Cal Maritime's conduct and discipline system is a vehicle for assessing a cadet's aptitude for becoming a respected working professional.

The goal of the conduct system is to develop and reward positive personal characteristics and to modify incorrect behavior. Cadets receive demerits for inappropriate behavior and, those with excessive demerits, may be required to serve extra duty on weekends or evenings. Cadets who commit egregious breaches of conduct or who have consistent conduct problems may be subject to extra duty, probation, suspension or dismissal.

Cadets are required to wear uniforms to all academic functions and formations, and while standing watch. Uniform and grooming inspections are conducted for all members of the corps regularly.

Regulations also exist that forbid cheating, plagiarism, alcohol consumption, use of illegal drugs, theft, hazing and other conduct considered unbecoming of a member of the Corps.

The Corps of Cadets Rules & Regulations is provided to all cadets via a Canvas course and requires each cadet to acknowledge their receiving and understanding of the expectations.

Drug Testing

The Cal Maritime, as prescribed by 49 CFR Part 40 and amendments thereto, randomly administers drug tests to all cadets. Testing may also occur for reasonable cause, pre-employment, USCG licensing physical exams, follow-up testing, and for any marine casualty, accident, or serious incident. Additional testing for alcohol may also be undertaken during the training cruise.

Policy on Use of Alcohol and Drugs

In compliance with the federal Drug-Free Schools and Communities Act Amendments of 1989 (20 U.S.C.1145g), Cali Maritime prohibits the unlawful possession, use, sale, or distribution of alcohol and illegal drugs by cadets, faculty, and staff on its property, training vessels, or as part of any academy-sponsored activities.

This prohibition extends to any off-campus activities that are sponsored by the institution or any of its recognized clubs and organizations.

Cadets-in-training for a U.S. Coast Guard license are subject to additional federal regulations regarding alcohol and drug us, and are also required to participate in Cal Maritime's random drug testing program.

For more information regarding these regulations and the standards of conduct, please refer to the Corps of Cadets Rules & Regulations.