CAL POLY
Student Services
COLLEGE OF ENGINEERING

MECHANICAL ENGINEERING

2026-2028 Semester Catalog

THIS IS AN UNOFFICIAL EXAMPLE

Fall 2026 Transfer Flowchart

General Concentration

2-Year

TOTAL SEMESTER UNITS REQUIRED : 128-129

Catalog Notes & Suggestions

Below is an example of a pathway for a transfer student who is **on the Semester Catalog**.

NOTE ABOUT TRANSFER CREDIT

Below is a list of courses that you may have transfer credit for. Anything not transferred, needs to be added to your graduation plan, which may result in additional terms.

POTENTIAL CAL POLY EQUIVALENT CREDIT

Engineering Design Communication **ME 1148 (2)** *Co-req: IME 1143*	Applied Programming for Mechanical Engineering **ME 2240 (1)**		
Choose One: **BIO 1111, 2213, 2215, or 2217 (3)** * **[GE 5B]**	Fundamentals of Chemical Structure and Properties **CHEM 1120 (4)** **[GE 5A & 5C]**	Circuits & Electronics for Non-Majors **EE 2115 (3) & EE 2115L (1)** *MATH 1262* *Co-req: PHYS 1143*	Introduction to Mechanics **ENGR 2211 (4)** *MATH 1262 and PHYS 1141*
Principles of Materials Engineering Lecture for Non-Majors **MATE 1220 (2)** *CHEM 1120*	Materials Laboratory **MATE 1215 (1)** *Co-req: MATE 1120*	Calculus I **MATH 1261 (4)** *MATH 1005 or MATH 1007 with C- or better* **[GE 2]**	Calculus II **MATH 1262 (4)** *MATH 1261 with C- or better*
Calculus III **MATH 2263 (3)** *MATH 1262 or MATH 1263*	Linear Analysis **MATH 2341 (4)** *One of the following: MATH 1262, MATH 1263, or DATA/MATH 1265*	General Physics I **PHYS 1141 (4)** *Co-req: MATH 1261*	General Physics II **PHYS 1143 (4)** *PHYS 1141* *Co-req: MATH 1262*
Written Communication **GE 1A (3)** *	Critical Thinking **GE 1B (3)** *	Oral Communication **GE 1C (3)** *	Arts **GE 3A (3)** *
Humanities: Literature, Philosophy, and Languages other than English **GE 3B (3)** *	American Institutions **GE 4A (3)** *Area 4 courses must come from at least two different prefixes* *	Social and Behavioral Science **GE 4B (3)** *Area 4 courses must come from at least two different prefixes* *	Ethnic Studies **GE 6 (3)** *

Anything not transferred, needs to be added to your plan on the right, which may result in additional terms.

UNITS

YEAR ONE | 2026-2027

FALL	SPRING
Introduction to Mechanical Engineering for Transfers **ME 2225 (1)** *Junior Standing and Mechanical Engineering major.* **[Fulfills ME 1125]**	Thermodynamics **ME 3302 (3)** *CHEM 1120; ME 2204 and ME 2210, or ENGR 2211; and MATH 2263*
Design Using Solid Modeling **ME 2248 (1)** *ME 1148*	Design Thinking and Creativity **ME 3234 (3)** *Junior standing; GE Area 1 and Area 2 with C- grades; and one lower-div Area 4 course* **[GE UD 4]**
Engineering Dynamics **ME 2212 (3)** *One of: ARCE 2211, ENGR 2211, or ME 2210*	Mechanical Systems Design **ME 3329 (3)** *ENGR 2212 or ME 2212 and ME 3328* *Co-req: BMED 2212 or ME 2248*
Engineering Measurement and Data Analysis **ME 3236 (3)** * **[GE UD 2/5]**	Fluid Mechanics **ME 3341 (3)** *ENGR 2212 or ME 2212; MATH 2263; and MATH 2341* **& ME 3342 (1)** *ME 3236* *Co-req: ME 3341*
Design for Strength and Stiffness **ME 3328 (4)** *ME 2204 and ME 2210, or ENGR 2211; MATE 1220 and IME 1140 or ME 1148*	Upper-Division Area 3: Arts & Humanities **GE UD 3 (3)** *
Introduction to Design and Manufacturing **IME 1143 (2)** *Co-req: IME 1140 or ME 1148*	
14 SEM.	**16 SEM.**

YEAR TWO | 2027-2028

FALL	SPRING
Senior Design Project I **ME 4460 (2)** *Senior Standing; IME 1143; ME 3234; and ME 3329* *Co-req: ME 3317 or ME 3319; and ME 3343*	Senior Design Project II **ME 4461 (2)** *ME 4460*
Heat Transfer **ME 3343 (4)** *ME 3236; ME 3302; and ME 3341*	Thermal System Design **ME 4440 (3)** *ME 3342 and ME 3343*
Vibrations and System Modeling **ME 3317 (4)** *ME 2212; MATH 2341; and EE 2115 & 2115L or EE 2328*	Mechanical Controls and Implementations **ME 4417 (3)** *ME 3317*
Technical Elective (3) *	**Technical Elective (3)** *
Technical Elective (3) *	**Technical Elective (3)** *
	Choose one: **IME 1141 (1)** or **IME 1142 (1)** or **IME 1149 (1)**
16 SEM.	**15 SEM.**

Please Note: *These flowcharts are an example and not a template of your individualized plan. You will need to consult the Catalog and Degree Progress Report for detailed information about what you need to graduate. Engineering Student Services is available for assistance in this process.*

*Refer to current catalog for course requirements

^ Double counting opportunity. Free electives may be needed to meet unit total.

Course Color Key

MAJOR	GE
SUPPORT	CONCENTRATION
	FREE ELECTIVE

Additional Requirements

Click the links below to learn more about how to complete these requirements before graduation.

- ☐ **U.S. CULTURAL PLURISM** (USCP)
- ☐ **GRADUATION WRITING REQ.** (GWR)

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COLLEGE OF ENGINEERING

MECHANICAL ENGINEERING

2026-2028 Semester Catalog

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Fall 2026 Transfer Flowchart

General Concentration

2-Year and 1 Semester

TOTAL SEMESTER UNITS REQUIRED : 128-129

Catalog Notes & Suggestions

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NOTE ABOUT TRANSFER CREDIT

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Choose One: **BIO 1111, 2213, 2215, or 2217 (3)** * [GE 5B]	Fundamentals of Chemical Structure and Properties **CHEM 1120 (4)** [GE 5A & 5C]	Circuits & Electronics for Non-Majors **EE 2115 (3) & EE 2115L (1)** *MATH 1262 Co-req: PHYS 1143*	Principles of Materials Engineering Lecture for Non-Majors **MATE 1220 (2)** *CHEM 1120*	
Materials Laboratory **MATE 1215 (1)** *Co-req: MATE 1120*	Calculus I **MATH 1261 (4)** *MATH 1005 or MATH 1007 with C- or better* [GE 2]	Calculus II **MATH 1262 (4)** *MATH 1261 with C- or better*	Calculus III **MATH 2263 (3)** *MATH 1262 or MATH 1263*	
Linear Analysis **MATH 2341 (4)** *One of the following: MATH 1262, MATH 1263, or DATA/MATH 1265*	Engineering Statics **ME 2210 (2)** *MATH 143 or MATH 1262; and PHYS 141 or PHYS 1141* [ME 2210 + ME 2204 = ENGR 2211]	General Physics I **PHYS 1141 (4)** *Co-req: MATH 1261*	General Physics II **PHYS 1143 (4)** *PHYS 1141 Co-req: MATH 1262*	
Written Communication **GE 1A (3)** *	Critical Thinking **GE 1B (3)** *	Oral Communication **GE 1C (3)** *	Arts **GE 3A (3)** *	
Humanities: Literature, Philosophy, and Languages other than English **GE 3B (3)** *	American Institutions **GE 4A (3)** *Area 4 courses must come from at least two different prefixes* *	Social and Behavioral Science **GE 4B (3)** *Area 4 courses must come from at least two different prefixes* *	Ethnic Studies **GE 6 (3)** *	

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UNITS

YEAR ONE | 2026-2027

FALL

- Introduction to Mechanical Engineering for Transfers **ME 2225 (1)** *Junior Standing and Mechanical Engineering major.* [Fulfills ME 1125]
- Design Using Solid Modeling **ME 2248 (1)** *ME 1148*
- Engineering Dynamics **ME 2212 (3)** *One of: ARCE 2211, ENGR 2211, or ME 2210*
- Design Thinking and Creativity **ME 3234 (3)** *Junior standing; GE Area 1 and Area 2 with C- grades; and one lower-div Area 4 course* [GE UD 4]
- Introduction to Mechanics of Materials **ME 2204 (2)** *Consent of instructor* [Completes ENGR 2211]
- Introduction to Design and Manufacturing **IME 1143 (2)** *Co-req: IME 1140 or ME 1148*

12 SEM.

SPRING

- Thermodynamics **ME 3302 (3)** *CHEM 1120; ME 2204 and ME 2210, or ENGR 2211; and MATH 2263*
- Engineering Measurement and Data Analysis **ME 3236 (3)** * [GE UD 2/5]
- Design for Strength and Stiffness **ME 3328 (4)** *ME 2204 and ME 2210, or ENGR 2211; MATE 1220 and IME 1140 or ME 1148*
- Vibrations and System Modeling **ME 3317 (4)** *ME 2212; MATH 2341; and EE 2115 & 2115L or EE 2328*

14 SEM.

YEAR TWO | 2027-2028

FALL

- Fluid Mechanics **ME 3341 (3)** *ENGR 2212 or ME 2212; MATH 2263; and MATH 2341* **& ME 3342 (1)** *ME 3236 Co-req: ME 3341*
- Mechanical Systems Design **ME 3329 (3)** *ENGR 2212 or ME 2212 and ME 3328 Co-req: BMED 2212 or ME 2248*
- **Technical Elective (3)** *
- **Technical Elective (3)** *

13 SEM.

SPRING

- Senior Design Project I **ME 4460 (2)** *Senior Standing; IME 1143; ME 3234; and ME 3329 Co-req: ME 3317 or ME 3319; and ME 3343*
- Heat Transfer **ME 3343 (4)** *ME 3236; ME 3302; and ME 3341*
- Mechanical Controls and Implementations **ME 4417 (3)** *ME 3317*
- **Technical Elective (3)** *

12 SEM.

FALL 2028

FALL

- Senior Design Project II **ME 4461 (2)** *ME 4460*
- Thermal System Design **ME 4440 (3)** *ME 3342 and ME 3343*
- **Technical Elective (3)** *
- Choose one: **IME 1141 (1)** or **IME 1142 (1)** or **IME 1149 (1)**
- Upper-Division Area 3: Arts & Humanities **GE UD 3 (3)** *

12 SEM.

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