CAL POLY
Student Services
COLLEGE OF ENGINEERING

MANUFACTURING ENGINEERING

TOTAL SEMESTER UNITS REQUIRED : 128-129

2026-2028 Semester Catalog

THIS IS AN UNOFFICIAL EXAMPLE

Fall 2026 Transfer Flowchart

2-Year Semester

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 TRANSFER CREDIT

Programming for Scientists and Engineers **CSC 1032 (3)** *	Fundamentals of Chemical Structure and Properties **CHEM 1120 (4)** [GE 5A & 5C]	Circuits & Electronics for Non-Majors **EE 2115 (3) & EE 2115L (1)** *	Engineering Statics **ME 2210 (2)** *MATH 143 or MATH 1262; and PHYS 141 or PHYS 1141* ME 2210 + ME 2204 = ENGR 2211
Principles of Materials Engineering for Majors & Laboratory **MATE 1210 (3) & MATE 1215 (1)** *	Choose one from: **MATH 1151 (3) -or- MATH 2341 (4)** *	Calculus I **MATH 1261 (4)** * [GE 2]	Calculus II **MATH 1262 (4)** *MATH 1261 with C- or better*
Calculus III **MATH 2263 (3)** *MATH 1262 or MATH 1263*	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* *	Life Sciences **GE 5B (3)** *
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
Intro to Industrial & Manufacturing Engineering **IME 1101 (1)**	Intro to Metal Casting & Prototyping **IME 1141 (1)**
Technical Graphics Communication for Design & Manufacturing **IME 1140 (1)** *Rec: IME 1143*	Introduction to Modern Electronics Manufacturing **IME 1156 (2)**
Materials Joining **IME 1142 (1)**	Intermediate Design & MFGE **IME 2243 (2)** *IME 1140 or ME 1148 and IME 1143*
Introduction to Design & Manufacturing **IME 1143 (2)** *Co-req: IME 1140 or ME 1148*	Financial Decision Making for Engineers **IME 2315 (2)**
Process Improvement Fundamentals **IME 1223 (4)** *MATH 1261 Rec: IME 1101*	Test Design & Analysis in MFGE **IME 3327 (4)** *ME 3236 or STAT 3210*
Intro to Mechanics of Materials **ME 2204 (2)** [Take if have credit in ME 2210, completes ENGR 2211]	Manufacturing & Process Automation **IME 3356 (4)** *EE 2215 & EE 2115L*
Intro to Engineering Dynamics **ENGR 2212 (2)** *ARCE 1121, ENGR 2211, or ME 2210*	
Engineering Statistics **STAT 3210 (3)** * [GE UD 5]	
16 SEM.	**15 SEM.**

YEAR TWO | 2027-2028

FALL	SPRING
Senior Project Design I **IME 4461 (2)** *	Senior Project Design II **IME 4462 (2)** *IME 4461*
Fundamentals of Manufacturing Engineering **IME 3330 (4)** *	Computer-Aided Manufacturing & Process Analysis **IME 4450 (4)** *One of: CSC 1001, CSC 1032, or ME 2240; and MATH 1151 or MATH 2341. Coreq: IME 3330*
Product & Process Development **IME 4418 (4)** *IME 3326 or IME 3327*	**Technical Elective (3)** *
Technical Elective (3) *	**Technical Elective (3)** *
Upper-Division Area 3: Arts & Humanities **GE UD 3 (3)** *	Upper-Division Area 4: Social & Behavioral Sciences **GE UD 4 (3)** *Area 4 courses must come from at least two different prefixes* *
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

Course Color Key

MAJOR	GE
SUPPORT	CONCENTRATION

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)