



LOS ANGELES VALLEY COLLEGE

MANUFACTURING, ELECTRONICS AND CONSTRUCTION (MEC)

These are suggested courses for your first semester as a full-time student. If you are planning to attend college part-time, you may enroll in less than 12 units. All students must complete college level English and Math by the end of their first year.

Select one course from each of the following sections:

Section 1: ENGLISH 101 (3 units) or ESL 110 (for non-native speakers, 4 units)

Section 2: MATH 240 (Trigonometry) OR 259 (Precalculus with Trigonometry), (select one course, 3-6 units)

Section 3: Any General Education course(s) from IGETC area 3A and/or 3B, and/or 4 (3 – 6 units)

- **IGETC, Area 3A: Arts**
 - ART 093, 094, 101, 102, 103, 105, 109, 111, 115, 116, 125, 501
 - BRDCSTG 026
 - CHICANO 054
 - CINEMA 102, 104, 105, 106, 107, 113, 114
 - DANCEST 801, 805
 - HUMAN 003
 - MUSIC 101, 111, 118, 121, 122, 136, 141
 - THEATER 100, 110, 112
- **IGETC, Area 3B: Humanities**
 - AFRO AM 020
 - ANTRHO 121
 - CHICANO 037, 042, 044
 - CINEMA 103
 - ENGLISH 105
 - HISTORY 007
 - HUMAN 001, 008, 030
 - JEWISH 002, 035
 - PHILOS 001, 012, 014, 020, 030, 031, 035
- **IGETC, Area 4: Social and Behavioral Sciences**
 - AFRO AM 002, 004, 005
 - ANTHRO 102, 103, 104
 - ASIAN 002
 - BRDCSTG 001
 - CH DEV 001
 - CHICANO 002, 007, 008, 047
 - COMM 122
 - ECON 001, 002, 008, 010
 - ENVSTDS 101
 - GEOG 002, 009, 014
 - HISTORY 001, 002, 005, 006, 011, 012, 020, 086
 - JEWISH 025
 - JOURNAL 105
 - LGBTQ+ 001
 - POL SCI 001, 002, 005, 007
 - PSYCH 001, 029, 032, 052
 - SOC 001, 002, 003, 011, 021, 025, 031

Section 4: Major (select one or more courses related to your major, 3 – 6 units)

- ELECTRONICS – ELECTRN 002, 004
- ELECTRONICS: BIOMEDICAL INSTRUMENTATION – ELECTRN 002, 004, 034
- ENGINEERING –ARC 172 (NOT FOR STUDENTS WHO ARE PLANNING TO TRANSFER TO A UNIVERSITY), CHEM 060 (prerequisite)
- ENGINEERING TECHNOLOGY: INDUSTRIAL/MANUFACTURING – CIS 104, EN GEN 101, NUM CON 021, T&M 027
- ENGINEERING TECHNOLOGY: MECHANICAL ENGINEERING – EGD TEK 101, ENG GEN 101, MSCNC 114, T&M 027
- MANUFACTURING TECHNOLOGY: METAL MACHINING – ENG GEN 101, MSCNC 114, NUM CON 022, T&M 027
- MANUFACTURING TECHNOLOGY: NUMERICAL CONTROL – ENG GEN 101, MSCNC 124, NUM CON 022, T&M 027
- MECHANICAL DRAFTING/DESIGN – MSCNC 114, T&M 027
- SUSTAINABLE CONSTRUCTION MANAGEMENT – ARC 172, EGT 100, ENG GEN 101

Section 5: Select one Student Success course based on your academic needs.

- COUNSEL 001 (Introduction to College, 1 unit), 004 (Career Planning, 1 unit), or 020 (Post-Secondary Education: The Scope of Career Planning, 3 Units)
- COLLEGE 101 (Navigating your Path Through College to Career, 1 Unit)
- LIB SCI 101 (Library Science, 1 unit)

If you have any questions, please email your MEC Success Coach at LAVC-STEMCounseling@laccd.edu.