

ASSOCIATE OF SCIENCE TRANSFER DEGREE Engineering Technology emphasis (65 credit hours)

Minimum 2.00 Cumulative Grade Point Average for A.S. Degree. 15 hour residency requirement.

| | | Course Areas/Titles | Course Numbers | Done | Now | Need | |
|--|--|---|---|--|------------------------------|------|--|
| A.S. Engineering Technology GENERAL EDUCATION OPTIONS AND REQUIREMENTS (42 credit hours) <small>MOTR CORE 42 completion not required for A.S. degree</small> | Communications | 6 hours | <i>Written Communications</i> | ENG 101(H) ENG 102(H) | | | |
| | | 3 hours | <i>Oral Communications</i> | COM 110 | | | |
| | Humanities and Fine Arts AND/OR Social and Behavioral Sciences | 3 hours | <i>Philosophy</i> | PHL 101 | | | |
| | | 6 hours | <i>Civics</i> | HST 103(H) PSC 102(H) | | | |
| | | | <i>PSC001 MO Higher Ed Civics Exam must also be completed</i> | | | | |
| | | 3 hours | <i>Economics</i> | ECO 101, 102 | | | |
| | | 3 hours | <i>Art</i> | ART 101, 103, 105 | | | |
| | | | <i>Civilization</i> | HST 201, 202 | | | |
| | | | <i>Foreign Language</i> | FRN 101, 102; GRM 101, 102; SPN 101, 102 | | | |
| | | | <i>Literature</i> | ENG 105, 106, 215(H), 216(H), 225, 226, 228, 229 | | | |
| | | | <i>Geography</i> | GEO 103 | | | |
| | | | <i>Music</i> | MSC 101, 131, 133, 231, 232 | | | |
| | <i>Philosophy/Religion</i> | | PHL 102(H), 201, 202(H) | | | | |
| | <i>Political Science</i> | | PSC 155 | | | | |
| | Mathematical Sciences | 5 hours | <i>Mathematical Sciences</i> | MTH 180 (not a MOTR course but meets general education requirement for math) | | | |
| Natural Sciences | | 10 hours with 2 labs* | <i>Physical Sciences</i> | CHM 111(H)* PHY 223* | | | |
| | General Education Option | | 3 hours | <i>Biological/Life Sciences</i> | BIO102 BIO109 | | |
| <i>Social and Behavioral Sciences (General Psychology)</i> | | PSY101(H) | | | | | |
| A.S. Engineering Technology DEGREE ELECTIVE OPTIONS AND REQUIREMENTS | Institutional Requirements | Computer Literacy met with required Engineering Technology General Education course PHY223 | | | Required course listed above | | |
| | | First Year Experience (FYE 1 hr) | Exploring the Field of Engineering | EGR 100 (counts as elective degree requirement) | | | |
| | REQUIRED ENGINEERING TECHNOLOGY COURSES | 22 hours | Calculus II (5) | MTH 185 | | | |
| General Physics II (5) | | | PHY 224 | | | | |
| Introduction to Computer Programming (3) | | | CIS 155 | | | | |
| Computer Aided Engineering Design (3) | | | EGR 101 | | | | |
| Engineering Mechanics-Statics (3) | | | EGR 228 | | | | |
| Engineering Mechanics-Dynamics (3) | | | EGR 250 | | | | |
| TOTAL A.S. engineering technology degree credit hours (at least 65 hours required) | | | | | | | |
| Institution Student Plans to Transfer to and Major Area of Study: | | | | | | | |
| Student Signature/Date | | | | | | | |
| Advisor Signature/Date | | | | | | | |

Consult your Engineering Advisor and 4-year transfer institution for assistance in selecting courses for your specific degree, major, and transfer institution requirements.