| 4.8.1 | |
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| ast Name | First |
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JEFFERSON COLLEGE ASSOCIATE OF SCIENCE TRANSFER DEGREE - effective 2019-2020 Engineering emphasis (64 credit hours)

Minimum 2.00 Cumulative Grade Point Average for A.S. Degree. 24 hour residency requirement.

| | | | Course Areas/Titles | Course Numbers | Done | Now | Need | |
|---|--|---|---|--|---------------------------------|-----|------|--|
| A.S. Engineering emphasis GENERAL EDUCATION OPTIONS AND REQUIREMENTS (27 credit hours) MOTR CORE 42 completion not required for A.S. degree | Commun- ications | 3 hours | Written Communications | ENG 101(H) | | | | |
| | | 3 hours | Civics | HST 103(H), 104(H); PSC 102(H) | | | | |
| | Humanities and Fine Arts AND/OR Social and Behavioral Sciences | | PSC001 MO Higher Ed Civics Exam must also be completed | | | | | |
| | | 3 hours | Economics | ECO 101, 102 | | | | |
| | | | Art | ART 101, 103, 105 | | | | |
| | | Social and Behavioral Science Social and Behavioral Science Social and Behavioral Science | Civilization | HST 201, 202 | 1 | | | |
| | | | Foreign Language | FRN 101, 102; GRM 101, 102; SPN 101, 102 | | | | |
| | | | Literature | ENG 105, 106, 215(H), 216(H), 225, 226, 228, 229 | | | | |
| has IIRE | | | Geography | GEO 103 | | | | |
| d D d | | | Music | MSC 101, 131, 133, 231, 232 | | | | |
| g el | | | Philosophy/Religion | PHL 101, 102(H), 201, 202(H) | | | | |
| ri E | | | Political Science | PSC 155 | | | | |
| 9 A S | | | Psychology | PSY 101(H) | | | | |
| NS NS | | | Sociology | SOC 101(H) | | | | |
| 声턴 | | | Theatre | THT 100(H) | | | | |
| A.S. OP | Mathematical Sciences | 5 hours | Mathematical Sciences | MTH 180 (not a MOTR course but meets general education requirement for math) | | | | |
| | Natural Sciences | 10 hours with 2 labs* | Physical Sciences | CHM 111(H)* | | | | |
| | | | | PHY 223* | | | | |
| | Institutional Requirements | Computer Li | r Literacy met with required Engineering emphasis General Education course PHY223 | | Required course listed above | | | |
| VE | | First Year | Freshman Seminar; | COL 400, 404, 426 | | | | |
| E | | Experience | Intro. to College; | COL100, 101, 136 (counts as elective degree requirement) | | | | |
| SEE | | (FYE 1-3 hrs) | Mastering College Exp. | (coamo ao acomo ao givo io quinemoni, | | | | |
| | | Sung Courses 27 hours | Calculus II (5) | MTH 185 | | | | |
| A.S. Engineering emphasis DEGREE ELECTIVE OPTIONS AND REQUIREMENTS (37 hours) | | | Calculus III (5) | MTH 201 | | | | |
| | | | Differential Equations (3) | MTH 205 | | | | |
| | | | General Physics II (5) | PHY 224* | | | | |
| | | ă Ä | R E | Introduction to Computer Programming (3) | CIS 155 | | | |
| | | | Computer Aided Engineering Design (3) | EGR 101 | | | | |
| | | | Engineering Mechanics-Statics (3) | EGR 228 | | | | |
| | Associate of Science Technical Elective Options | Elective Options 9** hours | General Chemistry II (5) | CHM 112 | | | | |
| | | | Organic Chemistry I (5) | CHM 200 | | | | |
| | | | Engineering Mechanics-Dynamics (3) | EGR 250 | | | | |
| | | | Circuit Analysis I (3) | EGR 261 | | | | |
| | | | Linear Algebra (3) | MTH 172 | | | | |
| | | | Introduction to Metallurgy (3) | MTT 148 | | | | |
| | | | Physical Geology (4) | PHY 105 | | | | |
| | ά | | Advanced Communications (3) | COM 110 or ENG 102(H) | | | | |
| | | TOTAL | A.S. Engineering emphasis degree | credit hours (at least 64 hours required) | | | | |
| Institutio | n Student Pla | ns to Transfer to an | d Major Area of Study: | | | | | |
| Student S | Signature/Date | e: | | | | | | |
| - | 'immatuus/Dat | | | | | | | |
| Advisor S | ignature/Date | 5. | | | | | | |

^{**}Total may vary depending on major areas of study requirements related to specific Engineering discipline: Aerospace, Agricultural, Ceramic, Chemical, Civil, Electrical, Engineering Management, Food Biochemical and Environmental, Geological, Geology and Geophysics, Industrial, Mechanical, Metallurgical, Mining, Nuclear, and Petroleum Engineering. Consult your Engineering Advisor and 4-year transfer institution for assistance in selecting courses for your specific degree, major, and transfer institution requirements.