

LFCC ADVISING WORKSHEET

Program: AS Science: Engineering Specialization

Catalog Year: 2016-2017

Advisor:

Program purpose: With the tremendous emphasis on technological developments in today's society, great demand exists for engineers to work with developing technologies both at the development state and the application stage. The associate of science degree program with a specialization in engineering is designed for persons who plan to transfer to a four-year college or university to complete a baccalaureate or higher degree program in an engineering discipline such as mechanical, civil, construction, ocean and mining and materials engineering.

| Check | Course | Title | Credits | Grade | Notes |
|------------------------|-------------|--|--------------|-------|-------|
| First Semester | | | | | |
| | ENG 111 | College Composition I | 3 | | |
| | EGR 126 | Computer Elective ¹ | 3 | | |
| | MTH 173 | Calculus with Analytical Geometry I | 5 | | |
| | SDV 100/101 | College Success Skills | 1 | | |
| | CHM 111 | College Chemistry I | 4 | | |
| | EGR 120 | Intro to Engineering | 2 | | |
| Second Semester | | | | | |
| | ENG 112 | College Composition II | 3 | | |
| | CST | Communication Elective ¹ | 3 | | |
| | MTH 174 | Calculus with Analytical Geometry II | 5 | | |
| | | Humanities/Fine Arts Elective ¹ | 3 | | |
| | MTH 285 | Linear Algebra | 3 | | |
| | EGR 123 | Intro to Engineering Design | 2 | | |
| Third Semester | | | | | |
| | | Social Science Elective ¹ | 3 | | |
| | PED/HLT | Physical Education or Health ¹ | 1 | | |
| | | Approved STEM elective | 4 | | |
| | PHY 241 | University Physics I | 4 | | |
| | EGR | Engineering Elective | 3 | | |
| | EGR | Engineering Elective | 3 | | |
| Fourth Semester | | | | | |
| | | Social Science Elective ¹ | 3 | | |
| | PHY 242 | University Physics II | 4 | | |
| | ENG | Literature Elective ¹ | 3 | | |
| | EGR/MTH | Engineering or Math Elective | 3 | | |
| | | Approved STEM elective | 3 | | |
| | | Total | 65-69 | | |

¹Students are advised to meet with an academic or faculty advisor for optimum course selection for desired major and transfer institution.

²In the First semester, students should take CHM 111 – College Chemistry I. In the Third semester, students should take PHY 241 – University Physics I, and in the Fourth semester, PHY 242 – University Physics II.

See the list of electives.

NOTE: Students are strongly encouraged to review transfer institution's requirements to make selections of EGR and STEM electives.

The College reserves the right to make changes to any provision or requirement within these sources, as well as changes to any curriculum or program, whether during a student's enrollment or otherwise.