

# Associate of Science Degree

## Engineering (Pending Approval)

**Purpose:** The associate of science curriculum in engineering is designed for those who plan to transfer to a four-year college or university to complete a baccalaureate degree program in engineering. The student is responsible for determining transferability to the transfer institution.

### Engineering Curriculum:

Degree Requirements		Credits
Student Development	SDV 100 or any approved SDV course	1
English	ENG 111-112	6
Health/ Physical Education	Any HLT or PED Course <sup>1</sup>	1
Humanities	Any two courses from ART, ENG (Literature), HUM, MUS, PHI, REL or Foreign Language	6
Social Sciences	Any two courses from ECO <sup>2</sup> , GEO, HIS, PLS, PSY <sup>3</sup> , or SOC <sup>4</sup>	6
EGR 120	Introduction to Engineering	1
EGR 126	Computer Programming for Engineers	3
EGR 140	Engineering Mechanics-Statics	3
EGR 245	Engineering Mechanics-Dynamics	3
EGR 246	Mechanics of Materials	3
EGR 248	Thermodynamics for Engineers	3
MTH 173	Calculus with Analytic Geometry I	5
MTH 174	Calculus with Analytic Geometry II	5
MTH 277	Vector Calculus	4
MTH 279	Ordinary Differential Equations	4
CHM 111	College Chemistry I	4
CHM 112	College Chemistry II	4
PHY 241	University Physics I	4
PHY 242	University Physics II	4
<b>Total Minimum Credits</b>		<b>70</b>

### SUGGESTED SCHEDULING:

FIRST YEAR		SECOND YEAR		Spring			
Fall	Spring	Fall	Spring	Fall	Spring		
CHM 111	4	CHM 112	4	PHY 242	4	EGR 246	3
EGR 120	1	PHY 241	4	EGR 248	3	Humanities Elective	3
ENG 111	3	EGR 126	3	MTH 277	4	MTH 279	4
MTH 173	5	ENG 112	3	EGR 140	3	EGR 245	3
SDV 100	1	MTH 174	5	Social Science Elective	3	HLT/PED	1
Humanities Elective	3					Social Science Elective	3
<b>Total Credits</b>	<b>17</b>	<b>Total Credits</b>	<b>19</b>	<b>Total Credits</b>	<b>17</b>	<b>Total Credits</b>	<b>17</b>

**Admission Requirements:** There are no additional admission requirements for this program other than those established by the college for curricular students. Students requiring developmental studies in mathematics and English may not be able to complete the program within a two-year time frame.

Students graduating from this program must demonstrate proficiency in specific computer competencies by passing ITE 115 or an equivalent competency exam.

Before registering for classes, students should check prerequisites listed with the course descriptions in the back of the catalog.

<sup>1</sup> Veterans may be awarded credit for military experience to meet this requirement.

<sup>2</sup> ECO 120 and ECO 201-202 contain similar course content. Students should take either ECO 120 or ECO 201-202 unless they plan to take all three courses. Students may not receive credit for ECO 120 if they have already completed both ECO 201 and ECO 202.

<sup>3</sup> PSY 200 and PSY 201-202 contain similar course content. Students who take PSY 200 cannot receive credit for either PSY 201 or PSY 202. Students who take either PSY 201 or PSY 202 cannot receive credit for PSY 200. Also, students cannot receive credit for both PSY 235 and PSY 230.

<sup>4</sup> SOC 200 and SOC 201-202 contain similar course content. Students who take SOC 200 cannot receive credit for either SOC 201 or SOC 202. Students who take either SOC 201 or SOC 202 cannot receive credit for SOC 200.

Students graduating from this program will be required to participate in a general education outcomes assessment during their last semester.