

## GEOLOGY

### Associate of Science

<b>General Education Core for Associate of Science (See Page 127)</b>	<b>27</b>
NOTE: Math requirement must be MATH 188	
ENGL 211 or ENGL 218 requirement - Must take ENGL 211	
Lab Science Requirement included in Chemistry -core classes	

<b>Geology – Core classes:</b>		<b>39</b>
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
COSC 111	Computer Literacy <b>OR</b> higher computer course	3
GEOG 118	Introduction to Mapping Technology	4
GEOL 110	Introduction to Geology	4
GEOL 111	Historical Geology	4
GEOL 270	Mineralogy	4
GEOL 271	Petrology	4
PHYS 211/L	General Physics I w/Lab <b>OR</b>	
PHYS 215/L	Engineering Physics I w/Lab	4
PHYS 212/L	General Physics II w/Lab <b>OR</b>	
PHYS 216/L	Engineering Physics II w/Lab	4
<b>Total credit hours required for this degree</b>		<b>66</b>

## MATHEMATICS

### Associate of Science

<b>General Education Core for Associate of Science (See Page 127)</b>	<b>27</b>
NOTE: Math requirement must be MATH 188	
ENGL 211 or ENGL 218 requirement - Must take ENGL 211	
Lab Science Requirement included in Chemistry core classes	

<b>Additional Mathematics:</b>		<b>8</b>
MATH 189	Calculus II	4
MATH 268	Calculus III	4
<b>Mathematics – Core classes:</b>		<b>28-30</b>
COSC 118	Computer Programming Fundamentals I with C++ <b>OR</b>	
COSC 214	Visual Basics I	3
MATH 231	Discrete Mathematics	3
MATH 251	Statistics	4
PHYS 215/L	Engineering Physics I w/Lab	4
PHYS 216/L	Engineering Physics II w/Lab	4

	Approved Science <b>OR</b> mathematics elective*	3-4
	Approved Science <b>OR</b> mathematics elective*	3-4
	Approved Science Elective*	4
	<b>Total credit hours required for this degree</b>	<b>64-65</b>

\* Approved science and mathematics elective courses are:

CHEM 111, 112
ENGR 230
ENGR 233
ENGR 234
ENGR 236
GEOL 110, 111
PHYS 217
MATH 275, 282

## PARAMEDIC Associate of Science

Entrance requirements and policies:

- All requirements for the Paramedic AAS/Certificate apply (see AAS section)
- Communications requirement: COMM 111
- Mathematics requirement must be MATH 160 or higher
- Core classes must be taken in same configuration as AAS/Certificate
- Students may need to consider taking additional classes appropriate to future academic pursuits and university transfer and program requirements

Note: The student must complete each course in the curriculum with a C or better to remain in and graduate from the program.

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<b>Prerequisite Classes</b>		<b>8</b>
BIOL 252	Human Anatomy and Physiology I	4
BIOL 253	Human Anatomy and Physiology II	4
<b>Paramedic – Core Classes</b>		<b>67</b>
EMSP 112	Physical Fitness for EMS	1
EMSP 112	Physical Fitness for EMS ( <i>Repeated</i> )	1
EMSP 200	Assessment and Clinical Decision Making	1
EMSP 205	Airway and Ventilatory Management	1
EMSP 211	Paramedic Professional Practice	2
EMSP 216	Emergency Pharmacology	2
EMSP 219	Medical Emergencies I	1
EMSP 225	Cardiology	3

Continued on next page