

EMSP 229	Paramedic Lab I	11
EMSP 242	Trauma Management	3
EMSP 245	Advanced Cardiac Life Support	1
EMSP 246	Pediatric Advanced Life Support	1
EMSP 251	EMS Operations	2
EMSP 256	Current Issues in EMS	2
EMSP 261	Special Populations	2
EMSP 269	Medical Emergencies II	4
EMSP 271	Paramedic Clinical	4
EMSP 274	Paramedic Lab II	10
EMSP 279	Paramedic Capstone	2
EMSP 282	Paramedic Field Internship	13
<b>Total credit hours required for this degree</b>		<b>102</b>

## PHYSICS

### Associate of Science

<b>Communications</b>		<b>Credits</b>
ENGL 111	Freshman Composition	3
ENGL 211	Advanced Composition	3
COMM 110	Public Speaking <b>OR</b>	
COMM 111	Interpersonal Communication	3
<b>Total Communications</b>		<b>9</b>
<b>Mathematics</b>		<b>Credits</b>
MATH 188	Calculus I	4
MATH 189	Calculus II	4
MATH 268	Calculus III	4
<b>Total Mathematics</b>		<b>12</b>
<b>Social and Behavioral Science</b>		<b>Credits</b>
Select two courses. For appropriate courses see Page 127		
<b>Total Social/Behavioral Science</b>		<b>6</b>
<b>Humanities and Fine Arts</b>		<b>Credits</b>
Select two courses. For appropriate courses see Page 127		
<b>Total Humanities/Fine Arts</b>		<b>6</b>
<b>Physics – Core Classes</b>		<b>Credits</b>
CHEM 111	General Chemistry I	4
CHEM 112	General Chemistry II	4
COSC 118	Computer Programming Fundamentals I with C++	3
ENGR 230	Engineering Circuit Analysis	3
ECON 251	Macroeconomics <b>OR</b>	
ECON 252	Microeconomics	3
MATH 282	Differential Equations	4
ENGR 236	Thermodynamics	3

PHYS 215	Engineering Physics I	3
PHYS 215L	Engineering Physics Lab I	1
PHYS 216	Engineering Physics II	3
PHYS 216L	Engineering Physics Lab II	1
PHYS 217	Engineering Physics III	3
	<b>Total Physics Core</b>	<b>35</b>
	<b>Total credit hours required for this degree</b>	<b>68</b>

## PRE-MEDICAL SCIENCE

### Associate of Science

Note: Student must earn a C or higher in all courses.

<b>General Education Core for Associate of Science (See Page 127)</b>	<b>28</b>
NOTE: Math requirement must be MATH 188	
ENGL 211 or ENGL 218 requirement - Must take ENGL 211	
Lab Science Requirement included in core classes	

<b>Pre-medical Science Core Courses</b>		<b>Credits</b>
BIOL 121	General Biology I*	4
BIOL 122	General Biology II*	4
BIOL 255	Introduction to Genetics	4
CHEM 111	General Chemistry I*	4
CHEM 112	General Chemistry II*	4
COSC 111	Computer Literacy <b>OR</b> higher computer science	3
	Approved Science electives**	16
	<b>Total Pre-medical Science Core</b>	<b>39</b>
	<b>Total credit hours required for this degree</b>	<b>67</b>

\*\*Approved Science electives:

BIOL 224	Microbiology
BIOL 252	Anatomy and Physiology I
BIOL 253	Anatomy and Physiology II
BIOL 260	Introduction to Cell Biology
CHEM 251	Organic Chemistry I*
CHEM 252	Organic Chemistry II*
PHYS 211	General Physics I*
PHYS 211L	General Physics I Lab
PHYS 212	General Physics II*
PHYS 212L	General Physics II Lab
MATH 251	Statistics

\* Needed for MCAT