

**Name:**  
**ID#:**
**Major:** *PROFESSIONAL DIRECTED STUDIES  
BIOLOGY (PREMEDICAL)*  
**Degree:** **BACHELOR OF SCIENCE**
**TOTAL HOURS REQUIRED FOR THE DEGREE: 136**

<b>BIBLICAL EDUCATION (30 hrs)</b>			<b>HRS</b>	<b>GR</b>	<b>TR</b>
<b>Bible (18 hrs)</b>					
BI115	Bible Study/Hermeneutics (3 hrs)				
BI121	Old Testament Survey I (3 hrs)				
BI122	Old Testament Survey II (3 hrs)				
BI130	New Testament Survey (3 hrs)				
BI343	Genesis (3 hrs)				
<i>Choose 1:</i>					
BI224	John <i>OR</i> (3 hrs)				
BI334	Romans (3 hrs)				
<b>Theology (12 hrs)</b>					
TH111	Evangelism/Spiritual Life (3 hrs)				
TH220	Systematic Theology I (3 hrs)				
TH221	Systematic Theology II (3 hrs)				
TH222	Systematic Theology III (3 hrs)				
<b>HOURS COMPLETED:</b>			<b>0</b>		
<b>HOURS NEEDED:</b>			<b>30</b>		

<b>GENERAL EDUCATION (36 hrs)</b>			<b>HRS</b>	<b>GR</b>	<b>TR</b>
<b>COMMUNICATIONS (10 hrs)</b>					
<i>Required:</i>					
COM110	Written Research Practicum (1 hr)				
EN112	College Composition I (3 hrs)				
EN113	College Composition II (3 hrs)				
<i>Communications Elective: (Choose 1)</i>					
	(3 hrs)				
<b>HUMANITIES (16 hrs)</b>					
<i>Required:</i>					
RP100	Developing a Biblical Worldview (1 hr)				
<i>Fine Arts: (Choose 1)</i>					
MU110	Music Appreciation <i>OR</i> (3 hrs)				
TA341	Christ & Creativity (3 hrs)				
<i>Literature: (Choose 1 or 2)</i>					
	(3 hrs)				
	(3 hrs)				
<i>History: (Choose 1 or 2)</i>					
	(3 hrs)				
	(3 hrs)				
<b>NATURAL SCIENCES / MATH (6 hrs)</b>					
<i>Required:</i>					
MA115	College Algebra (3 hrs)				
PE110	Lifetime Fitness (1 hr)				
<i>Required Science:</i>					
PHYS100	Survey of Physical Science (3 hrs)				
PHYS101	Physical Science Lab (2 hrs)				
<b>SOCIAL / BEHAVIORAL SCIENCES (4 hrs)</b>					
<i>Required:</i>					
GE100	College Life Seminar (1 hr)				
<i>Social Sciences: (Choose 1)</i>					
	(3 hrs)				
<b>HOURS COMPLETED:</b>			<b>0</b>		
<b>HOURS NEEDED:</b>			<b>36</b>		

<b>CM099</b>	<b>Christian Ministry</b>				
--------------	---------------------------	--	--	--	--

<b>TRANSFER CREDIT FROM:</b>		<b>HRS</b>
<b>Total Transfer Hours:</b>		<b>0</b>

<b>PROFESSIONAL EDUCATION (70 hrs)</b>			<b>HRS</b>	<b>GR</b>	<b>TR</b>
<b>Missions/ Ministry Core (3 hrs req)</b>					
IC111	Intro to Christian Missions (3 hrs)				
<b>PRE-MEDICAL Major Core</b>					
<i>* Based on University of Central Missouri program</i>					
BIOL 1000	The Discipline of Biology (1 hr)				UCM
BIOL 1110	Principles of Biology (3 hrs)				UCM
BIOL 2020	General Ecology (3 hrs)				UCM
BIOL 2512	Cell Biology (3 hrs)				UCM
BIOL 4102	Evolution (3 hrs)				UCM
BIOL 4222	The Biological Perspective (3 hrs)				UCM
CHEM 1131	General Chemistry I (5 hrs)				UCM
CHEM 1132	General Chemistry II (5 hrs)				UCM
<b>Pre-Medical Focus:</b>					
BIOL 1111	Plant Biology (4 hrs)				UCM
BIOL 1112	Animal Biology (4 hrs)				UCM
BIOL 3511	Genetics (4 hrs)				UCM
BIOL3611	Microbiology (4 hrs)				UCM
BIOL 4002	Life Science Senior Seminar (1 hr)				UCM
CHEM 3341	Organic Chemistry I (4 hrs)				UCM
<i>Choose 1 Set: (8 Hrs)</i>					
BIOL 3211	Comparative Anatomy <i>AND</i> (4 hrs)				UCM
BIOL 3431	Animal Physiology <i>OR</i> (4 hrs)				UCM
BIOL 3401	Human Anatomy <i>AND</i> (3 hrs)				UCM
BIOL 3402	Human Physiology (5 hrs)				UCM
<b>Electives: (12 hrs)</b>					
BIOL 3213	Embryology of Vertebrates (3 hrs)				UCM
BIOL 3413	Immunology (3 hrs)				UCM
BIOL 3414	Histology (3 hrs)				UCM
BIOL 4013	Intro to Exp Design & Analysis (3 hrs)				UCM
BIOL 4311	Parasitology (4 hrs)				UCM
BIOL 4400	Endocrinology (2 hrs)				UCM
BIOL 4412	Wildlife Diseases (4 hrs)				UCM
BIOL 4514	Molecular Biology (3 hrs)				UCM
BIOL 4515	Molecular Technology (3 hrs)				UCM
BIOL 4516	Hematology / Virology (3 hrs)				UCM
BIOL 4517	Serology Lab (1 hr)				UCM
CHEM 3342	Organic Chemistry II (4 hrs)				UCM
CHEM 3421	Intermediate Biochemistry (3 hrs)				UCM
PHYS 1102	College Physics II (4 hrs)				UCM
<b>Science Apologetics (5 hrs)</b>					
SCIA100	Biblical Worldview of Science (1 hr)				
SCxxx	Chemistry (1 hr)				
SCxxx	Biology (1 hr)				
SCxxx	Physics & Astronomy (1 hr)				
SCxxx	Senior Seminar (1 hr)				
<b>HOURS COMPLETED:</b>			<b>0</b>		
<b>HOURS NEEDED:</b>			<b>70</b>		

<b>TOTAL HRS COMPLETED:</b>			<b>0</b>		
<b>TOTAL HRS NEEDED:</b>			<b>136</b>		