

**Name:**
**ID#:**
**Major:** **PROFESSIONAL DIRECTED STUDIES**
*Computer Science*
**Degree:** **BACHELOR OF SCIENCE**
**TOTAL HOURS REQUIRED FOR THE DEGREE: 139**

<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)			
BI120	Old Testament Survey	(3 hrs)			
BI130	New Testament Survey	(3 hrs)			
BI343	Genesis	(3 hrs)			
<b>Choose 1:</b>					
BI224	John <b>OR</b>	(3 hrs)			
BI334	Romans	(3 hrs)			
<b>BI / BL / TH Elective (Choose 3 hrs):</b>					
<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 (38 hrs)</b>			<b>HRS</b>	<b>GR</b>	<b>TR</b>
<b>COMMUNICATIONS (10 hrs)</b>					
<b>Required:</b>					
COM110	Written Research Practicum	(1 hr)			
EN112	College Composition I	(3 hrs)			
EN113	College Composition II	(3 hrs)			
<b>Communications Elective: (Choose 1)</b>					
COM220	Oral Communication	(3 hrs)			
<b>HUMANITIES (13 hrs)</b>					
<b>Required:</b>					
RP100	Developing a Biblical Worldview	(1 hr)			
<b>Fine Arts: (Choose 1)</b>					
MU110	Music Appreciation <b>OR</b>	(3 hrs)			
TA341	Christ & Creativity	(3 hrs)			
<b>Literature: (Choose 1)</b>					
		(3 hrs)			
<b>History:</b>					
HP100	Constitutional Exam	(0 hrs)			
<b>History: (Choose 1)</b>					
	HP221, HP222, HP232, HP238	(3 hrs)			
<b>NATURAL SCIENCES / MATH (11 hrs)</b>					
<b>Required:</b>					
MATH 115	Calculus I	(5 hrs)			UCM
PE110	Lifetime Fitness	(1 hr)			
<b>Science: (Choose 5 hrs - class + lab)</b>					
<b>SOCIAL / BEHAVIORAL SCIENCES (4 hrs)</b>					
<b>Required:</b>					
GE100	College Life Seminar	(1 hr)			
<b>Social Sciences: (Choose 1)</b>					
		(3 hrs)			
<b>General Education Requirement</b>					
CS1000	Computers & Modern Society	(3 hrs)			UCM
<b>HOURS COMPLETED:</b>			<b>0</b>		
<b>HOURS NEEDED:</b>			<b>38</b>		

<b>CM099</b>	<b>Christian Ministry</b>				
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<b>TRANSFER CREDIT FROM:</b>		<b>HRS</b>
<b>Total Transfer Hours:</b>		<b>0</b>

<b>PROFESSIONAL EDUCATION (71 hrs)</b>			<b>HRS</b>	<b>GR</b>	<b>TR</b>
<b>Missions/ Ministry Core (3 hrs)</b>					
IC111	Intro to Christian Missions	(3 hrs)			
<b>Computer Science Major</b>					
<i>* Based on University of Central Missouri program</i>					
CS 1100	Computer Programming I	(3 hrs)			UCM
CS 1110	Computer Programming II	(3 hrs)			UCM
CS 2300	Data Structures	(3 hrs)			UCM
CS 2400	Discrete Structures	(3 hrs)			UCM
CS 3100	Programming Languages	(3 hrs)			UCM
CS 3200	Computer Org & Architecture	(3 hrs)			UCM
CS 3500	C & LINUX Environment	(3 hrs)			UCM
CS 4300	Algorithm Design & Analysis	(3 hrs)			UCM
CS 4500	Operating Systems	(3 hrs)			UCM
CS 4600	Database Theory & Applications	(3 hrs)			UCM
SE 3910	Software Engineering	(3 hrs)			UCM
<b>(Choose 1)</b>					
CYBR 3130	Secure Programming <b>OR</b>	(3 hrs)			UCM
CYBR 4820	Intro to Information Assurance <b>OR</b>	(3 hrs)			UCM
CYBR 4840	Ethical Hacking	(3 hrs)			UCM
<b>(Choose 1)</b>					
CS 4920	Senior Project <b>OR</b>	(3 hrs)			UCM
SE4920	Senior Project	(3 hrs)			UCM
<b>Computer Science Option</b>					
<b>Required:</b>					
CS 3840	Computer Networking	(3 hrs)			UCM
MATH 1152	Calculus II	(5 hrs)			UCM
<b>(Choose 1)</b>					
ACST 2310	Statistics & Data Analysis	(3 hrs)			UCM
ACST 3311	Intro to Probability & Statistics	(3 hrs)			UCM
MATH 2153	Calculus III	(3 hrs)			UCM
MATH 3151	Differential Equations	(3 hrs)			UCM
MATH 3710	Linear Algebra	(3 hrs)			UCM
MATH4450	Intro to Graph Theory	(3 hrs)			UCM
<b>(Choose 2)</b>					
BIOL 1111	Plant Biology	(4 hrs)			UCM
BIOL 1112	Animal Biology	(4 hrs)			UCM
CHEM 1131	General Chemistry I	(5 hrs)			UCM
CHEM 1132	General Chemistry II	(5 hrs)			UCM
GEOS 1004	Intro to Geology	(4 hrs)			UCM
GE'OS 1114	Weather & Climate	(4 hrs)			UCM
GEOS 2100	Engineering Geology	(4 hrs)			UCM
GEOS 2200	Historical Geology	(4 hrs)			UCM
GEOS 4300	Earth Resources	(4 hrs)			UCM
PHYS 1101	College Physics I <b>OR</b>	(4 hrs)			UCM
PHYS 2121	University Physics I	(5 hrs)			UCM
PHYS 1102	College Physics II <b>OR</b>	(4 hrs)			UCM
PHYS 2122	University Physics II	(5 hrs)			UCM
<b>Computer Science Electives (9 hrs)</b>					
					UCM
					UCM
					UCM
<b>HOURS COMPLETED:</b>			<b>0</b>		
<b>HOURS NEEDED:</b>			<b>71</b>		

<b>TOTAL HRS COMPLETED:</b>	<b>0</b>
<b>TOTAL HRS NEEDED:</b>	<b>139</b>