



PROGRAM PLANNER
2026 - 2027

BIBLICAL EDUCATION (30 hrs)		HRS	GR	TR
Bible (18 hrs)				
BI115	Bible Study/Hermeneutics (3 hrs)			
BI120	Old Testament Survey (3 hrs)			
BI130	New Testament Survey (3 hrs)			
BI343	Genesis (3 hrs)			
Choose 1:				
BI224	John OR (3 hrs)			
BI334	Romans (3 hrs)			
BI / BL / TH Elective (Choose 3 hrs):				
Theology (12 hrs)				
TH111	Evangelism/Spiritual Life (3 hrs)			
TH220	Systematic Theology I (3 hrs)			
TH221	Systematic Theology II (3 hrs)			
TH222	Systematic Theology III (3 hrs)			
HOURS COMPLETED:		0		
HOURS NEEDED:		30		

GENERAL EDUCATION (38 hrs)		HRS	GR	TR
COMMUNICATIONS (9 hrs)				
Required:				
EN112	College Composition I (3 hrs)			
EN113	College Composition II (3 hrs)			
Communications Elective: (Choose 1)				
COM220	Oral Communication (3 hrs)			
HUMANITIES (13 hrs)				
Required:				
RP100	Developing a Biblical Worldview (1 hr)			
Fine Arts: (Choose 1)				
MU110	Music Appreciation OR (3 hrs)			
TA341	Christ & Creativity (3 hrs)			
Literature: (Choose 1)				
	(3 hrs)			
History:				
HP100	Constitutional Exam (0 hrs)			
History: (Choose 1)				
	HP221, HP222, HP232, HP238 (3 hrs)			
NATURAL SCIENCES / MATH (11 hrs)				
Required:				
MATH 115	Calculus I (5 hrs)			UCM
PE110	Lifetime Fitness (1 hr)			
Science: (Choose 5 hrs - class + lab))				
SOCIAL / BEHAVIORAL SCIENCES (5 hrs)				
Required:				
GE101	Warrior Seminar (2 hrs)			
Social Sciences: (Choose 1)				
	(3 hrs)			
General Education Requirement				
CS1000	Computers & Modern Society (3 hrs)			UCM
HOURS COMPLETED:		0		
HOURS NEEDED:		38		

CM099	Christian Ministry	
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Name:
ID#:

PROFESSIONAL DIRECTED STUDIES
Computer Science - Software Development
BACHELOR OF SCIENCE

TOTAL HOURS REQUIRED FOR THE DEGREE: 140

TRANSFER CREDIT FROM:		HRS
Total Transfer Hours:		0

PROFESSIONAL EDUCATION (72 hrs)		HRS	GR	TR
Missions/ Ministry Core (3 hrs)				
IC111	Intro to Christian Missions (3 hrs)			
Computer Science Major				
<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
(Choose 1)				
CYBR 3130	Secure Programming OR (3 hrs)			UCM
CYBR 4820	Intro to Information Assurance OR (3 hrs)			UCM
CYBR 4920	Software Security (3 hrs)			UCM
(Choose 1)				
CS 4920	Senior Project OR (3 hrs)			UCM
SE 4920	Senior Project (3 hrs)			UCM
Software Development Option (27 hrs)				
Electives: 12-24 hrs				
CS 3110	App. Programing in C# and .NET (3 hrs)			UCM
CS 3120	Client Side Web Prog. (3 hrs)			UCM
CS 4120	Adv App. Program in Java (3 hrs)			UCM
CS 4130	Server Side Web Programming (3 hrs)			UCM
CYBR 3130	Secure Programming (3 hrs)			UCM
SE 3900	Software Requirements Eng. (3 hrs)			UCM
SE 3920	Modern Software Lifecycle & Tool (3 hrs)			UCM
SE 4930	Software Testing & Quality Assur (3 hrs)			UCM
SE 4940	Software Design and Architech (3 hrs)			UCM
SE 4950	Secure Software Engineering (3 hrs)			UCM
SE 4960	Project Managment (3 hrs)			UCM

PROFESSIONAL EDUCATION Cont.		HRS	GR	TR
Computer Science Electives (9 hrs)				
CS 1030	Python Programming I (3 hrs)			UCM
CS 2030	Python Programming II (3 hrs)			UCM
CS 3400	Discrete Structures II (4 hrs)			UCM
CS 3800	App. Development with VB.NET (3 hrs)			UCM
CS 3840	Computer Networking (3 hrs)			UCM
CS 3850	Game Development 2D (3 hrs)			UCM
CS 4000	Special Problems in CS (1-3 hrs)			UCM
CS 4020	Internship (1-3 hrs)			UCM
CS 4110	Mobile App Prog with Android (3 hrs)			UCM
CS 4610	Intro to Cloud Computing (3 hrs)			UCM
CS 4660	Intro to Cloud Services (3 hrs)			UCM
CS 4700	Artificial Intelligence (3 hrs)			UCM
CS 4810	Computer Graphics (3 hrs)			UCM
CS 4830	Game Dvelopment 3D (3 hrs)			UCM
CYBR 1500	Command Line Enviroments (3 hrs)			UCM
CYBR 1800	Intro to Cybersecurity (3 hrs)			UCM
CYBR 2500	Computer Systems Admin (3 hrs)			UCM
CYBR 3300	Intro to Cryptography (3 hrs)			UCM
CYBR 3510	Systems Security (3 hrs)			UCM
CYBR 3520	Intro to Cyber-Physical Sys Sec (3 hrs)			UCM
CYBR 3820	Usable Provacy and Security (3 hrs)			UCM
CYBR 3830	Economics of Cybersecurity (3 hrs)			UCM
CYBR 4140	Web Application Security (3 hrs)			UCM
CYBR 4840	Ethical Hacking (3 hrs)			UCM
CYBR 4920	Software Security* (3 hrs)			UCM
DSA 1000	Intro to Data Analytics (3 hrs)			UCM
DSA 3200	Intro to Data Visualization (3 hrs)			UCM
DSA 4100	Prog Fnd for Data Science and AI (3 hrs)			UCM
DSA 4200	Advanced Data Visualization (3 hrs)			UCM
DSA 4600	NoSQL Database Systems (3 hrs)			UCM
DSA 4620	Big Data Analytics (3 hrs)			UCM
IT 3100	Human Computer Interaction (3 hrs)			UCM
HOURS COMPLETED:		0		
HOURS NEEDED:		71		

TOTAL HRS COMPLETED:	0
TOTAL HRS NEEDED:	139

*Course can not be used for electvie and core requirement