



PROGRAM PLANNER
2026 - 2027

Name:
ID#:

PROFESSIONAL DIRECTED STUDIES
CHEMISTRY
BACHELOR OF SCIENCE

TOTAL HOURS REQUIRED FOR THE DEGREE: 127

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)			
B1 / 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 (37 hrs)			HRS	GR	TR
COMMUNICATIONS (9 hrs)					
Required:					
EN112	College Composition I	(3 hrs)			
EN113	College Composition II	(3 hrs)			
Communications Elective: (Choose 1)					
		(3 hrs)			
HUMANITIES (16 hrs)					
Required:					
RP100	Developing a Biblical Worldview	(1 hr)			
RP330	World Religions	(3 hrs)			
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)			
		(3 hrs)			
NATURAL SCIENCES / MATH (6 hrs)					
Required:					
MATH1151	Calculus I	(5 hrs)			UCM
PE110	Lifetime Fitness	(1 hr)			
Required:					
PHYS 1101	College Physics I	(4 hrs)			
SOCIAL / BEHAVIORAL SCIENCES (5 hrs)					
Required:					
GE101	Warrior Seminar	(2 hrs)			
Social Sciences: (Choose 1)					
		(3 hrs)			
HOURS COMPLETED:			0		
HOURS NEEDED:			37		

CM099	Christian Ministry	
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TRANSFER CREDIT FROM:		HRS
Total Transfer Hours:		0

PROFESSIONAL EDUCATION (60 hrs)			HRS	GR	TR
Missions/ Ministry Core (3 hrs req)					
IC111	Intro to Christian Missions	(3 hrs)			
Chemistry Major					
<i>* Based on University of Central Missouri program</i>			<i>Required 39 hrs</i>		
CHEM 1131	General Chemistry I	(5 hrs)			
CHEM 1132	General Chemistry II	(5 hrs)			
CHEM 3111	Inorganic Chemistry	(4 hrs)			
CHEM 3212	Quantitative Analysis	(4 hrs)			
CHEMN 3341	Organic Chemistry I	(4 hrs)			
CHEM 3342	Organic Chemistry II	(4 hrs)			
CHEM 33421	Biochemistry	(3 hrs)			
CHEM 3920	Communication Skills in Chemistry	(2 hrs)			
CHEM 4531	Physical Chemistry : Therm / Kin	(4 hrs)			
PHYS 1102	College Physics II	(4 hrs)			
Chemistry Option: (ACS Certified) 21 hrs					
MATH 1152	Calculus II	(5 hrs)			
CHEM4231	Instrumental Analysis	(4 hrs)			
CHEM4532	Physical Chem: Quantum Mechanics	(4 hrs)			
CHEM4910	Research in Chem (may be repeated)	(1-5 hrs)			
Chemistry Electives (6 hrs)					
Choose 6 hours:					
CHEM 4111	Advanced Inorganic Chemistry	(3 hrs)			
CHEM 4313	Advanced Organic Chemistry	(3 hrs)			
CHEM 4323	Organic Chemistry of Biol Pathway:	(3 hrs)			
CHEM4421	Advanced Biochemistry	(3 hrs)			
CHEM 4431	Biochemistry Laboratory	(2 hrs)			
Open Electives (8 hrs)					
Science Apologetics (4 hrs)					
SCIA100	Biblical Worldview of Science	(1 hr)			
SCxxx	Chemistry	(1 hr)			
SCxxx	Physics & Astronomy	(1 hr)			
SCxxx	Senior Seminar	(1 hr)			
HOURS COMPLETED:			0		
HOURS NEEDED:			60		

TOTAL HRS COMPLETED:	0	
TOTAL HRS NEEDED:	127	