CALVARY UNIVERSITY

PROGRAM PLANNER - 2022

Name:
ID#:

Major: ***PROFESSIONAL DIRECTED STUDIES CHEMISTRY***
Degree: **BACHELOR OF SCIENCE**

TOTAL HOURS REQUIRED FOR THE DEGREE: 126

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)			
B **I / 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 (10 hrs)					
Required:					
COM110	Written Research Practicum	(1 hr)			
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)			
Fine Arts: (*Choose 1)*					
MU110	Music Appreciation ***OR***	(3 hrs)			
TA341	Christ & Creativity	(3 hrs)			
Literature: (*Choose 1 or 2)*					
		(3 hrs)			
		(3 hrs)			
History:					
HP100	Constitutional Exam	(0 hrs)			
History: (*Choose 1 or 2)*					
	HP221, HP222, HP238	(3 hrs)			
		(3 hrs)			
NATURAL SCIENCES / MATH (6 hrs)					
Required:					
MATH1151	Calculus I	(5 hrs)			
PE110	Lifetime Fitness	(1 hr)			
Required:					
PHYS 1101	College Physics I	(4 hrs)			
SOCIAL / BEHAVIORAL SCIENCES (4 hrs)					
Required:					
GE100	College Life Seminar	(1 hr)			
Social Sciences: (*Choose 1)*					
		(3 hrs)			
	HOURS COMPLETED:		**0**		
	HOURS NEEDED:		**37**		

CM099	**Christian Ministry**	

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					
**** Based on University of Central Missouri program***					
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 Cheistry	(2 hrs)			
CHEM 4531	Physical Chemistry : Therm / Kin	(4 hrs)			
MATH 1152	Calculus II	(5 hrs)			
Choose 1:					
PHYS 1102	College Physics II ***OR***	(4 hrs)			
PHYS 2122	University Physics II	(5 hrs)			
Chemistry Electives (6 hrs)					
Choose 6 hours:					
CHEM 4111	Advanced Inorganic Chemistry	(3 hrs)			
CHEM 4221	Environmental Chemistry	(3 hrs)			
CHEM 4313	Advanced Organic Chemistry	(3 hrs)			
CHEM 4421	Advanced Biochemistry	(3 hrs)			
CHEM 4431	Bioochemistry Laboratory	(2 hrs)			
CHEM 4800	Forensic Chemistry & Toxicology	(3 hrs)			
Open Electives (3 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:	**126**	

ACS Certified Option: (10 hours)					
CHEM 4231	Instrumental Analysis	(4 hrs)			
CHEM 4532	Physical Chem: Quantum Mech	(4 hrs)			
CHEM 4910	Research in Chemistry	(2 hrs)			