CALVARY UNIVERSITY

PROGRAM PLANNER - 2024

Name:
ID#:

Major: ***PROFESSIONAL DIRECTED STUDIES***
DESIGN & DRAFTING TECHNOLOGY
Degree: **BACHELOR OF SCIENCE**

DESIGN & DRAFTING GENERAL DEGREE: Total Hours: 132
CIVIL & ARCHITECTURAL DESIGN OPTION: Total Hours: 156

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 (43 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 (13 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)			
(Choose 1) *HP221, HP222, HP232, or HP238*					
		(3 hrs)			
NATURAL SCIENCES / MATH (9 hrs)					
Required:					
MATH1111	College Algebra	(3 hrs)			UCM
PE110	Lifetime Fitness	(1 hr)			
Science:					
PHYS1103	Intro to the Sciences: Physics	(3 hrs)			UCM
Required:					
GE100	College Life Seminar	(1 hr)			
Social Sciences:					
SS245	World Geography	(3 hrs)			
Required:					
CTE1210	Managing Info Using Computer App	(2 hrs)			UCM
CTE2060	Technical Writing	(3 hrs)			UCM
GEOS1004	Intro to Geology	(4 hrs)			UCM
	HOURS COMPLETED:		**0**		
	HOURS NEEDED:		**43**		

TRANSFER CREDIT FROM:		**HRS**
	Total Transfer Hours:	**0**

PROFESSIONAL EDUCATION (59 hrs)			**HRS**	**GR**	**TR**
Missions/ Ministry Core (3 hrs req)					
IC111	Intro to Christian Missions	(3 hrs)			
Design & Drafting Technology Major					
**** Based on University of Central Missouri program***					
CADD1100	Orientation to Design / Drafting	(1 hr)			UCM
Choose 1:					
CADD1110	Fundamentals of Drafting ***OR***	(3 hrs)			UCM
CTE1300	Introduction to Engineering Design	(3 hrs)			UCM
Required:					
CADD1170	AutoCAD Applications	(3 hrs)			UCM
CADD2100	Sophomore Design / Drafting Seminar	(.5 hrs)			UCM
CADD2140	Advanced 3D Modeling	(3 hrs)			UCM
CADD2150	Descriptive Geometry for Engineering Tech	(3 hrs)			UCM
CADD2160	Structural Design & Detailiing	(3 hrs)			UCM
CADD2172	MicroStation Applications	(3 hrs)			UCM
CADD3022	Internship in Design & Drafting	(1-6)			UCM
CADD3100	Junior Design / Drafting Seminar	(.5 hrs)			UCM
CADD3170	Design Automation	(3 hrs)			UCM
CADD3180	Advanced Structural Design	(3 hrs)			UCM
CADD4100	Senior Design / Drafting Seminar	(1 hr)			UCM
CADD4160	Computer Graphics & Technical Pres	(3 hrs)			UCM
CADD4172	MEP & Industrial Piping Design / Drafting	(3 hrs)			UCM
CADD4180	Industrial Design	(3 hrs)			UCM
CMGT2020	Statics	(3 hrs)			UCM
MATH1112	College Trigonometry	(2 hrs)			UCM
Electives (6 Hours)					
INDM4250	Project Management ***AND***	(3 hrs)			UCM
CADD4210	Innovations Management for CADD	(3 hrs)			UCM
	OR				
MGT3315	Management of Organizations ***AND***	(3 hrs)			UCM
INDM4260	Organizational Dynamics	(3 hrs)			UCM
Design & Drafting Electives: *(Choose 6 hrs)*					
CADD4114	Adv Technical Problems in Design/Drafting	(1-3)			UCM
CADD4500	Substation Design	(3 hrs)			UCM
CMGT3330	Building Codes & Code Administration	(3 hrs)			UCM
CMGT4310	Construction Safety	(3 hrs)			UCM
CS1030	Python Programming	(3 hrs)			UCM
ENGT1011	Applied Electricity	(4 hrs)			UCM
ENGT4110	Engineering Technology: Problem Solvi	(3 hrs)			UCM
ENGT4120	Hydrology & Drainage Design	(3 hrs)			UCM
ENGT4160	Transportation Systems Design	(3 hrs)			UCM
GEOS4220	Geographic Information Systems	(3 hrs)			UCM
	HOURS COMPLETED:				
	HOURS NEEDED:				

Civil & Architectural Design Technology Option: (24 hrs)					
CADD1180	Intro to Building Info Modeling	(3 hrs)			UCM
CADD3150	Civil Drafting	(3 hrs)			UCM
CADD3160	Residential Architectural Drawing	(3 hrs)			UCM
CADD4150	Applied Civil Design / Drafting	(3 hrs)			UCM
CADD4162	Commercial Architectural Design/ Drafting	(3 hrs)			UCM
CMGT2310	Construction Plans & Specifications	(4 hrs)			UCM
CMGT 2340	Surveying & Construction Layout	(3 hrs)			UCM
CMGT3010	Applied Construction Practices	(3 hrs)			UCM
	HOURS COMPLETED:				
	HOURS NEEDED:				

CM099 Christian Ministry	

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