

B.Sc. (General) with Diploma in Engineering (90 credit hours) Program Requirements

Humanities / Arts (9 credit hr)	Engineering Core (27 credit hr)	Science Core (39 credit hr)
HIST 1301 History of Science & Technology	EGNE 1206 Technical Communications	MATH 1210 Introductory Calculus I
3 credit hours Humanities	EGNE 1210 Engineering Design 1: Graphics	MATH 1211 Introductory Calculus II
●	EGNE 1203 Engineering Mechanics 1: Statics	PHYS 1210 University Physics I
	EGNE 1204 Computer Methods for Engineers	PHYS 1211 University Physics II
	EGNE 2302 Engineering Economics	CHEM 1210 General Chemistry I
	EGNE 2303 Thermodynamics	CHEM 1213 General Chemistry II for Engineering
	EGNE 2307 Engineering Design II	MATH 2301 Applied Linear Algebra
	EGNE 2308 Electric Circuits I	MATH 2311 Intermediate Calculus
	EGNE 2309 Probability & Statistics	MATH 2303 Differential Equations I
		ERTH 1212 Mining & Society
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NOTES:

Shaded cells = *suggested* schedule Year 1

- Additional Arts Elective – approved by Science or Engineering Advisor (subjects listed on reverse)
- ◆ Additional Science Elective – approved by Science or Engineering Advisor (up to three credit hours *may* be substituted with Arts Elective)
- Additional Discipline-Science courses from list on reverse (2000-level or above)

Discipline - Specific (9 credit hr)		
Mechanical	Civil / Environmental	Electrical/ Computer
EGNE 2301 EGNE Mechanics II: Dynamics	ERTH 1204 Geology for Engineers	EGNE 2330 Data Structures & Algorithms for EGNE
EGNE 2304 Mechanics of Materials	EGNE 2304 Mechanics of Materials	EGNE 2305 Digital Logic
EGNE 2306 Fluid Dynamics	EGNE 2306 Fluid Dynamics	EGNE 2311 Electric Circuits II
Chemical	Mining/ Renewable Energy	Industrial
CHEM 2344 Organic Chemistry I	ENVS 1200 Environmental Sustainability	EGNE 2325 Modelling & Optimization for EGNE
EGNE 2401 Process Engineering	ERTH 1204 Geology for Engineers	EGNE 2330 Data Structures & Algorithms for EGNE
EGNE 2306 Fluid Dynamics	EGNE 2306 Fluid Dynamics	3 credit hours Humanities
*students intending Mining/Renewable Energy may also take EGNE 2304 during Diploma and ENVS 1200 in Year 3 BEng.		
Additional Discipline – Science (2000-level or above - 6 credit hr)		
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B.Sc. (General) with Diploma in Engineering Program Requirements

Bachelor of Science (General) with Diploma in Engineering			
■ Additional Science Options			
(recommendations only, alternative courses may still apply)			
Mechanical		Civil/Mineral/ Environmental	
PHYS 2302	PHYS 2410	ENVS 2100	ERTH 2301
PHYS 2303	PHYS 2510	ENVS 2200	ERTH 2302
CSCI 2308	ENVS 4490	ENVS 2400	ERTH 2325
Industrial		ENVS 3410	ERTH 3312
PSYC 3200	PSYC 3230	ENVS 3440	ERTH 3313
PSYC 3210	CSCI 2308	ENVS 4490	ERTH 3413
		BIOL 2324	ERTH 3453
Electrical		Chemical	
PHYS 2302	CSCI 2355	CHEM 2312	CHEM 2313
PHYS 2303	CSCI 2356	CHEM 2332	CHEM 2345
PHYS 2410	CSCI 2308	CHEM 2322	CHEM 2333
PHYS 2510		CHEM 3473	CHEM 3424

Arts: Anthropology, Asian Studies, Atlantic Canada Studies, Chinese, Ancient Studies, Criminology, Economics, English, Entrepreneurship, French, German, Geography (Group A, C, D only), Global Development Studies, Health Wellness and Sport in Society, History, Intercultural Studies, Irish Studies, Japanese, Latin, Linguistics, Philosophy, Political Science, Public Humanities & Heritage, Religion, Sociology, Social Justice and Community Studies, Spanish, Women, Gender Studies & Sexuality

Humanities: Ancient Studies, Asian Studies, Atlantic Canada Studies, English, History, Intercultural Studies, Philosophy, Public Humanities & Heritage, Religion, and Modern Languages (courses in literature and/or culture)

Tentative Course Schedule				
<i>** subject to change; official schedule available on Banner</i>				
Course	Semester			
	Fall (Sept-Dec)	Winter (Jan-Apr)	Summer I (May-June)	Summer II (July-Aug)
EGNE 1206	**			
EGNE 1210	**		**	
EGNE 1203		**	**	
EGNE 1204		**	**	
MATH 1210	**	**	**	
MATH 1211	**	**	**	**
PHYS 1210	**	**		
PHYS 1211		**	**	
CHEM 1210	**	**		
CHEM 1213		**	**	
HIST 1301	**	**	**	
EGNE 2302		**		**
EGNE 2303	**	**		
EGNE 2304	**		**	
EGNE 2307		**		
EGNE 2308	**	**		
EGNE 2309		**		**
MATH 2301	**		**	
MATH 2311	**		**	
MATH 2303		**		**
EGNE 2301	**		**	
EGNE 2305	**			
EGNE 2306		**		
EGNE 2311		**		
EGNE 2330	**			
EGNE 2401	**			
EGNE 2325		**		
ERTH 1204	**		**	
ERTH 1212		**		
ENVS 1200	**			
CHEM 2344	**		**	

*Every effort is made to ensure that the information summarized here is accurate.
Students are reminded that the University Academic Calendar is the official source of
Program information.*