

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

Program Requirements

2018-19
Calendar

Arts (12 credit hr)	Engineering Core (30 credit hr)	Science Core (33 credit hr)
ENGL 1205 Introduction to Literature	EGNE 1206 Technical Communications	MATH 1210 Introductory Calculus I
HIST 1301 History of Science & Technology	EGNE 1210 Engineering Design Graphics (Design 1)	MATH 1211 Introductory Calculus II
●	EGNE 1204 Computer Methods for Engineers	PHYS 1210 University Physics I
●	EGNE 1203 Engineering Mechanics (Statics)	PHYS 1211 University Physics II
	EGNE 2302 Engineering Economics	CHEM 1210 General Chemistry I
	EGNE 2303 Thermo-Fluid Engineering I	CHEM 1213 General Chemistry II for Engineering
	EGNE 2304 Mechanics of Deformable Bodies	MATH 2301 Applied Linear Algebra
	EGNE 2307 Engineering Design II	MATH 2311 Intermediate Calculus
	EGNE 2308 Electric Circuits	MATH 2303 Differential Equations I
	EGNE 2309 Probability & Statistics	◆
		◆

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 hour *may* be substituted with Arts Elective)
- Additional Discipline-Specific courses from list on reverse (2306-level or above)

Discipline - Specific (9 credit hr)		
Mechanical	Civil / Environmental	Electrical
EGNE 2301 Dynamics	EGNE 2301 Dynamics	CSCI 2301 Data Structures
CSCI 2301 Data Structures	EGNE 2306 Thermo-Fluid Engineering II	EGNE 2305 Introduction to Digital Logic Circuits
EGNE 2306 Thermo-Fluid Engineering II	GEOL 1204 Geology for Engineers	EGNE 2311 Circuit Analysis (Circuits II)
Chemical	Mineral	Industrial
CHEM 2344 Organic Chemistry I	EGNE 2301 Dynamics	CSCI 2301 Data Structures
EGNE 2401 Process Engineering	EGNE 2306 Thermo-Fluid Engineering II	EGNE 2306 Thermo-Fluid Engineering II
EGNE 2306 Thermo-Fluid Engineering II	GEOL 1204 Geology for Engineers	EGNE Elective
Additional Discipline - Specific Science (6 credit hr)		
■		
■		

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.

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

Bachelor of Science (General) with Diploma in Engineering			
■ List of Additional Discipline-Specific Science Courses			
Mechanical	Civil/Mineral/ Environmental		
PHYS 2300	ENVS 2100	ENVS 3430	GEOL 2325
PHYS 2301	ENVS 2300	ENVS 3440	GEOL 3312
CSCI 2308	ENVS 2310	BIOL 2324	GEOL 3313
Industrial	ENVS 3410	GEOL 2301	GEOL 3413
PSYC 3327	ENVS 3420	GEOL 2302	GEOL 3453
PSYC 3392			
PSYC 3393			
CSCI 2308			
Electrical		Chemical	
PHYS 2300	CSCI 2327	CHEM 2312	CHEM 2333
PHYS 2400	CSCI 2328	CHEM 2313	CHEM 2344
CSCI 2308	CSCI 2341	CHEM 2322	CHEM 2345
	CSCI 2355	CHEM 2332	CHEM 3424
			CHEM 3473

Arts Elective Options:

Anthropology, Arabic, Asian Studies, Atlantic Canada Studies, Chinese, Classics, Economics, English, French, German, Geography, Hispanic Studies, History, Irish Studies, Japanese, Linguistics, Philosophy, Political Science, Religious Studies, Sociology, Spanish, Women & Gender Studies

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 1100	**	**		
PHYS 1101		**	**	
CHEM 1210	**	**		
CHEM 1213		**	**	
ENGL 1205	**	**	**	**
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		**		
CSCI 2301	**			
EGNE 2401		**		
GEOL 1204	**			