

BSE - ENGINEERING (ENGINEERING FELLOWS CONCENTRATION)

Degree Requirements: BSE - Engineering Major (Engineering Fellows Concentration)

Code	Title	Hours
Required Courses		
Minimum 124 hours including the following:		
<i>Literature and Writing</i>		
ENG 1310	Research Writing: Writing and Academic Inquiry Seminars	3
GTX 2301	Intellectual Traditions of the Ancient World : Literature and Thought	3
or GTX 2302	Medieval Intellectual Traditions: Literature and Thought in Context	
PWR 3300	Technical Writing	3
<i>Religion</i>		
REL 1310	The Christian Scriptures	3
REL 1350	The Christian Heritage	3
<i>Foreign Language and Culture</i> ¹		
Foreign Language and Culture Distribution List (ECS) (https://catalog.baylor.edu/undergraduate/school-engineering-computer-science/#EN-FLC-DL)		
<i>Other Requirements</i>		
PSC 1387	The U.S. Constitution, Its Interpretation, and the American Political Experience	3
or ENG 2301	British Literature	
EGR 2108	Engineering Economics	1
EGR 3305	Social and Ethical Issues in Engineering	3
EGR 1101	Engineering New Student Experience	1
Lifetime Fitness: Any two LF 11XX courses. ECS 2101 and select leadership courses may fulfill one of the Lifetime Fitness requirements.		2
Chapel: Two Semesters		0
General Elective Credit		1
<i>Mathematics and Basic Sciences</i>		
CHE 1301	Basic Principles of Modern Chemistry I	3
MTH 1321	Calculus I	3
MTH 1322	Calculus II	3
MTH 2311	Linear Algebra	3
MTH 2321	Calculus III	3
MTH 3325	Ordinary Differential Equations	3
STA 3381	Probability and Statistics	3
PHY 1420	General Physics I	4
PHY 1430	General Physics II	4
Select one course from the following:		3

Math/Science Restricted Electives for ENGR Majors (<https://catalog.baylor.edu/undergraduate/school-engineering-computer-science/engineering/engineering-bse/#ENMJ-MTHSCI>)

Engineering Major (Engineering Fellows Concentration)		
EGR 1301	Introduction to Engineering	3
EGR 1302	Introduction to Engineering Analysis	3
EGR 3380	Engineering Design I	3
EGR 4390	Engineering Design II	3
ME 2345	Thermodynamics	3
ELC 2330 & ELC 2130	Electrical Circuit Theory and Electrical Circuit Laboratory	4
ELC 3335	Signals and Systems	3
ME 2320	Statics	3
ME 2321	Dynamics	3
ME 3420	Instrumentation and Measurements	4
Select one of the following:		4
ELC 2337 & ELC 2137	Digital Logic Design and Digital Logic Design Laboratory	
CSI 1401	Introduction to Programming I	
CSI 1430	Introduction to Computer Science I with Laboratory	

Engineering Electives

Select nine credit hours of BME/ME/ELC/EGR courses. Three credit hours may be at the "3000" level, while the other six elective credits must be at the "4000" level.	9
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Engineering Fellows Concentration

Approved interdisciplinary elective credit		15
EGR 3187	Engineering Fellows Capstone Project Planning	1
EGR 4187	Engineering Fellows Capstone Project (Students will repeat this course twice)	2

A grade of "C" or better in all of the Engineering hours counted towards the major.

Total Hours	124
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¹ Second-level proficiency must be reached if a foreign language is chosen.