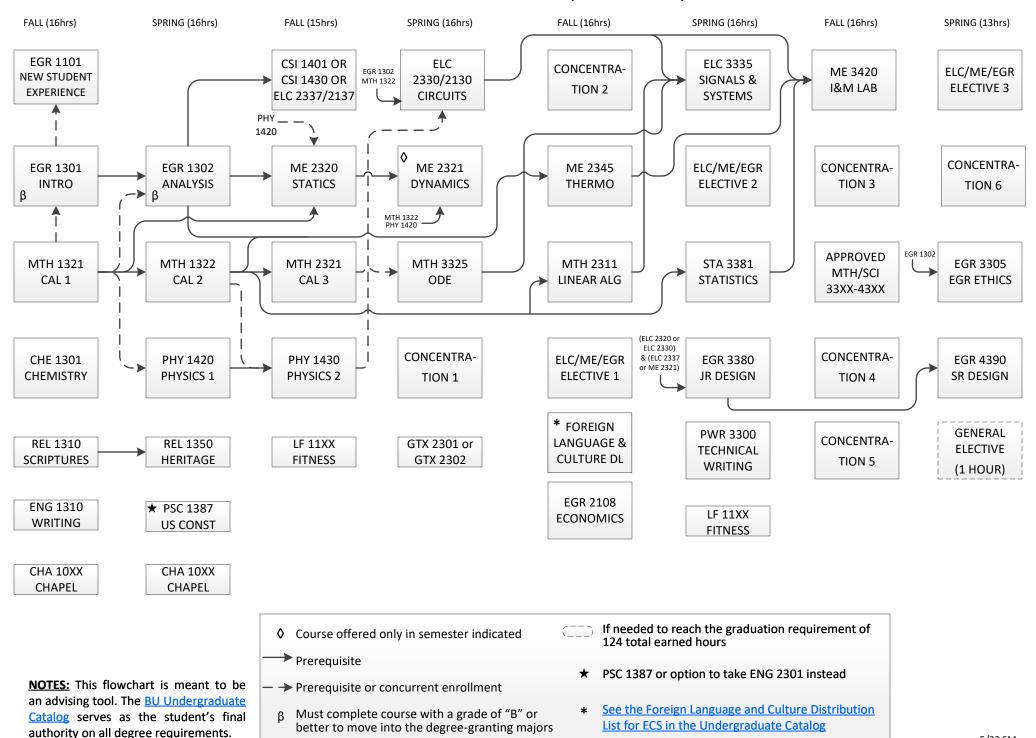
ENGINEERING MAJOR (2023-2024)



Baylor offers an ABET-accredited degree in Engineering in addition to majors in Mechanical Engineering and Electrical and Computer Engineering. The major is simply "Engineering" and the degree awarded is the Bachelor of Science in Engineering (B.S.E.). The B.S.E is Baylor's oldest engineering degree.

Engineering students take the same core courses common to the other engineering majors. The curriculum further builds on these fundamentals in follow-on and upper-level courses that deepen their engineering understanding and capabilities.

Because the B.S.E. curriculum is broader than that for traditional engineering majors, a number of employers and advisors are advocates of this approach. Also because of this adaptability, it is well-suited for students who have a well-honed but non-traditional career plan. B.S.E. students must have defined career aspirations that leverage the advantages of the B.S.E. curriculum. B.S.E. students must also maintain a competitive GPA and make good academic progress.

Complete one of the following:

- a. A targeted set of courses in one of the listed concentration areas.
- b. Any minor offered by Baylor with the exception of Engineering or Mathematics. (Note that an additional minor in Mathematics can be completed by the proper choice of math/science elective, but it does not satisfy this requirement.)

Biomedical Concentration

 Engineering Electives 	
-ME 3320: Strength of Materials	. 3
-ME 3322: Materials & Manufacturing	. 3
-ELC 4351: Digital Signal Processing	. 3
Concentration Electives	
-CHE 1341 or CHE 4341: Biochemistry	. 3
-HP 1420 or BIO 4432: Human Anatomy	. 4
-PUBH 3350 or BIO 3322: Physiology	3
-ONE from the following:	.3
BME 4357, 4370, 4374, 4376	
-ONE from the following:	.3
BME 4353, 4372, 4378	
-ONE from the following:	.3
BME 4353, 4357, 4370, 4372, 4374, 4376,	
4378, 4396, 4V97; EGR 3V95	
/ / /	

Environmental Concentration

Humanitarian Engr. Concentration

 Engineering Electives 	
-ELC/ME/BME 33XX: Elective 1	
-ELC/ME/BME 43XX: Elective 2	. :
-ELC/EGR/ME/BME 43XX: Elective 3	. :
• Concentration Electives	
-EGR 3315: Ethics for International Service	. :
-EGR 3302: Tech for Developing Countries	. :
-EGR 3115: International Experience	
-ME 4305: Sustainable Engineering	. :
-ONE from the following:	
ENV 3333 (Watershed Assessment), ENV	
4310 (World Food Problems), ENV 4345	
(Water Management)	
-ONE from the following:	3
REL 3382 (Cross-Cultural Ministry),	
PSC/AST 3314 (Politics & Problems of Dev.	
Countries), REL 3345 (World Religions), ENV	V
4350 (Development & Indigenous Peoples),	
REL 4340 (Christian Missions)	
-ONE from the following:	3
MGT/ENT 4353 (Social Entrepreneurship &	
Econ Development),	
ECO 3355 (Intro to Econ of Poverty &	
Discrimination)	

<u> Minor Option</u>

ELC/ME/BME 33XX: Elective 1	3
ELC/ME/BME 43XX: Elective 2	3
ELC/EGR/ME/BME 43XX: Elective 3	3

(Note that an additional minor in Mathematics can be completed by the proper choice of math/science elective, but it does not satisfy this requirement.)