NOTES: This flowchart is meant to be an advising tool. The Baylor Undergraduate Catalog is the student's final authority on all degree requirements. A 'C' or better must be earned in all courses in your major, as well as any math/science prerequisites for major courses.
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
  - BME 4353, 4372, 4378
- ONE from the following: .................................. 3
  - BME 4353, 4357, 4370, 4372, 4374, 4376, 4378, 4396, 4V97; EGR 3V95

### Humanitarian Engr. Concentration

- Engineering Electives
  - ME 4305: Sustainable Engineering ............... 3
  - EGR 4361: Conventional & Alt. Energy Syst .. 3
  - ELC/EGR/ME/BME 43XX: Elective ............... 3
- Concentration Electives
  - EGR 3315: Ethics for International Service .... 3
  - ONE from the following: .............................. 3
    - ENV 3333 (Watershed Assessment), ENV 4310 (World Food Problems), ENV 4345 (Water Management)
  - ONE from the following: .............................. 3
    - REL 3382 (Cross-Cultural Ministry), REL 3345 (World Religions), ENV 4350 (Development & Indigenous Peoples), REL 4340 (Christian Missions)
  - ONE from the following: .............................. 3
    - ECO 3355 (Intro to Econ of Poverty & Discrimination)
  - Choose two additional courses from the groups above: .......................................................... 3

### Energy and Environment Concentration

- Engineering Electives
  - ME 4305: Sustainable Engineering ............... 3
  - EGR 4361: Conventional & Alt. Energy Syst .. 3
  - ME 4360: Renewable Energy Devices .......... 3
- Concentration Electives
  - CHE 1302: Modern Chemistry II ............... 3
  - ENV 3316: Intro Air Quality ..................... 3
  - ENV 3387: Environmental Chemistry .......... 3
  - ENV 4345: Water Management ................. 3
  - ENV 4365: Environment & Energy ............. 3
  - ANT 4321: Climate Anthropology ............. 3

### Minor Option

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

Students may choose any minor offered by Baylor with the exception of Engineering or Mathematics. Concentration electives will be fulfilled by courses required for the minor ................................. 18-24

(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.)