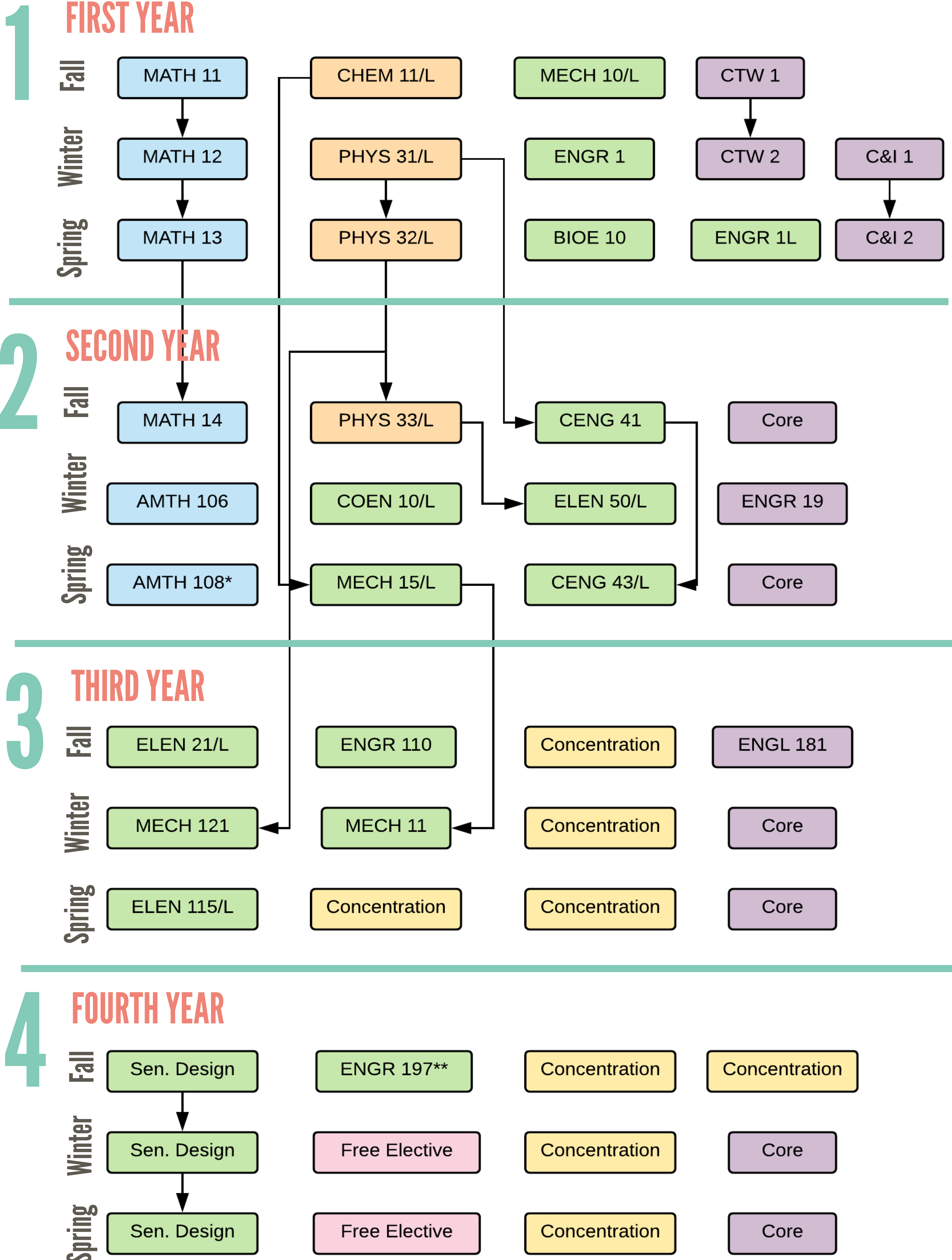


Bachelor of Science in General Engineering

Sample Four-Year Plan



Bachelor of Science in General Engineering

Instructions and FAQs

- 1 Graduation requirements:** Students majoring in engineering must complete a minimum of 189 units, including the following:
 - 36 upper division concentration units
 - Senior design can be one of the following sequences:
 - BIOE 194, 195, 196
 - CENG 192A, 192B, 193, 194
 - COEN 194, 195, 196
 - ELEN 194, 195, 196
 - MECH 194, 195, 196
 - **Concentration electives** must be approved by an advisor. Most but not all upper division engineering classes could be technical electives
 - AMTH 108 is the recommended upper division math elective, but another course may be substituted with approval from an advisor
 - ENGR 197 is a recommended seminar course for those graduating in General Engineering. ENGR 163 may be substituted and is recommended if completing the Innovation, Design and Entrepreneurship Minor
 - Advanced writing ENGL 181 should be taken junior year
- 2 Santa Clara University's Core Curriculum** provides a humanistic education that leads toward an informed, ethical engagement with the world. The Core Curriculum consists of three phases of academic work: Foundations, Explorations, and Integrations. For more information go to: www.scu.edu/provost/core

Core requirements needing to be fulfilled beyond the General Engineering degree include:

 - Cultures and Ideas 3
 - Social Science
 - Diversity
 - Ethics
 - Religion, Theology, and Culture 1, 2 & 3
 - Experiential Learning for Social Justice
- 3 Pathways** provide students an additional opportunity to make intentional and reflective choices about their own education as they study a theme or topic from a number of disciplinary perspectives and identify connections and relationships among ideas.

Students should make reflective and intentional choices to study a theme from multiple disciplinary or methodological perspectives and to perceive connections. Engineering students need to take 3 pathway courses and keep their materials to write a pathway reflection and portfolio. For more information go to: <https://www.scu.edu/provost/core/pathways/>
- 4 Study abroad** can be accomplished by taking engineering classes abroad to fulfill requirements. These classes must be approved by your advisor PRIOR to leaving for the study abroad term. Note that the Study Abroad office will require a four-year plan as part of the application process. More information can be found here: <https://www.scu.edu/globalengagement/study-abroad/>