

# B.S. in Engineering Science

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## Engineering Science

Engineering science at St. Mary's University provides greater flexibility than traditional programs, especially in choosing engineering electives, so that students gain a tailored education.

The program prepares students to pursue careers in multidisciplinary fields such as biomedical engineering, environmental engineering, materials sciences, pre-medicine, or other secondary areas. Engineering science is the only engineering program that allows the student to have a minor in a variety of areas. Every engineering senior also completes a year-long design project, some of which have even been patented.

Unique facilities available to engineering science students include an electrical engineering laboratory accessible 24-hours a day; an energy conversion laboratory for motors, generators and transformers; a manufacturing and robotics laboratory; and a research laboratory equipped with both UNIX and Windows workstations.

- B.S. Engineering Science - General concentration ([https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science\\_general/](https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science_general/))
- B.S. Engineering Science - Chemistry concentration ([https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science\\_chemistry/](https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science_chemistry/))
- B.S. Engineering Science - Environmental Science concentration ([https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science\\_environmental\\_science/](https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science_environmental_science/))
- B.S. Engineering Science - Mathematics concentration ([https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science\\_mathematics/](https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science_mathematics/))
- B.S. Engineering Science - Premed concentration ([https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science\\_premed/](https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science_premed/))
- B.S. Engineering Science - Unmanned Aerial Systems concentration ([https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science\\_unmanned/](https://catalog.stmarytx.edu/undergraduate/majors-programs/science-engineering-technology/engineering/engineering-science_unmanned/))