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3+2 Engineering

Saint Mary's College of California

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3 + 2 ENGINEERING PROGRAM

Through the 3+2 Engineering Program, Saint Mary's offers students the benefits of a liberal arts education while allowing them to pursue an engineering degree. Students spend their first three years at Saint Mary's taking physical science, mathematics, humanities, and social science courses. The final two years are completed at an engineering school approved by the program's director. Saint Mary's has transfer agreements with two engineering schools: University of Southern California in Los Angeles and Washington University in Saint Louis. These agreements assure that, once you have completed the required courses at Saint Mary's, you will be able to complete the course work at those schools in two years. In addition Washington University guarantees admission to our students who have a grade point average of 3.25 or above. Upon completion of all academic requirements students are granted two degrees: a bachelor of arts from Saint Mary's College and a bachelor of science in engineering from the university they have chosen for completing the final two years of the program.

FACULTY

Chris Ray, Ph.D., *Director; Professor of Physics and Astronomy*

LEARNING OUTCOMES

After completing the Engineering Program at Saint Mary's, students will have a working knowledge of the physical world and mathematics and a developed ability to reason and communicate. These gains will allow the students to succeed in the specialized engineering courses taken after transferring and to work effectively as an engineer upon graduation.

REQUIREMENTS

Students must satisfy the following requirements at Saint Mary's: Three years of study with the completion of 27 transferable course credits and a cumulative grade point average of 3.0 or better.

Completion of the following courses:

Mathematics 27, 28, 29, 134

Computer Science 21

Physics 1, 2 (lab), 3, 4 (lab), 60

Chemistry 8, 9 (lab), 10, 11 (lab)

English 4, 5

Collegiate Seminar 20, 21, 131

Religious Studies (one course)

Area A, Humanities (two courses)

Area C, Social Sciences (two courses)

Math/Science electives (four courses)

Other courses may be required or recommended for entrance into particular engineering majors. The student must consult with the 3+2 Engineering Program director regarding his/her course of study.