TRANSFERRING INTO SEATTLE PACIFIC UNIVERSITY'S ENGINEERING PROGRAMS

Seattle Pacific University welcomes students transferring into our engineering programs. SPU students enjoy close relationships with their professors, small class sizes, and a holistic education in a Christian environment. Please feel free to contact us with any questions you have:

Melani Plett, Director of Engineering and Computer Science Programs
Chair of Electrical Engineering, Coordinator for Computer Engineering
206-281-2444. mplett@spu.edu

Daniel Keene, Chair of General and Mechanical Engineering
206-281-2165. keened@spu.edu

BEFORE TRANSFERRING

Most students transfer into an engineering program after completing two years at another institution, though that is not required for admission to our programs. SPU welcomes incoming students who have completed either a DTA associate's degree or who have worked toward an AS-T or AS-T2 degree. Note that most of SPU's general education requirements are fulfilled by the DTA associate's degree from Washington state 2-year colleges or through the comparable degrees SPU recognizes from Oregon and California community colleges. This is not the case for the AS-T or AS-T2. See "*Transferring with an Associate's Degree*" on the SPU Admissions web site for details. However, completing as many of the following mathematics and science courses toward your major as possible as part of your pre-transfer curriculum will speed up your time to degree completion.

For any engineering program:

- Mathematics: Calculus (including Vector or Multi-variable Calculus); Differential Equations, and Linear Algebra
- Physics: full-year sequence of Engineering (calculus-based) Physics
- Circuits 1 (with lab)

For Electrical and Computer Engineering:

- Two quarters of programming in the same language (including data structures)

For General and Mechanical Engineering:

- Statics, Mechanics of Materials, Dynamics

ADMISSION TO SPU AND YOUR MAJOR

We recommend beginning at SPU in the fall, especially if you hope to complete your major in two years.

Acceptance to SPU as a transfer student is based on your performance in high school and college. Students with college GPAs above 3.0 are more likely to gain admission to the university. Please see the SPU Transfer Admissions web page for more information.

You may enter your major during your first quarter at Seattle Pacific University. To advance in the program, meet with your faculty advisor regularly to discuss your grades, course progression, and other indicators of satisfactory academic progress.

A 2-YEAR PLAN

There is a pathway to complete the chosen Engineering major in 2 years for students who come to SPU with the following courses completed AND also either a) having met most (all but two or three) of the SPU general education requirements or b) having completed a DTA Associates degree. While this requires good planning both before and after coming to SPU, it is achievable.

In order to be on target for this 2-Year Plan, a student should complete the following courses before transfer. Course numbers are SPU course numbers. To find equivalent courses at your institution, go to our Transfer Course Equivalency Guide. Note that the exact list of courses varies by your chosen major.

Computer Engineering or Electrical Engineering

- Calculus I, II, III – equivalent to MAT 1234, 1235, 1236*
- Vector Calculus – MAT 3238
- Differential Equations – equivalent to MAT 3237
- Linear Algebra – equivalent to MAT 2401
- Physics for Science/Engineering I, II, III – equivalent to PHY 1121, 1122, 1123
    - Circuits 1 (with lab) - equivalency to EE 2726 preferred
- Two quarters of programming in the same language (three preferred for Computer Engineering), including Data Structures
    - C++ courses equivalent to CSC 1230 and 2430 (and 2431) are preferred
- Chemistry (required for Electrical Engineering only) –equivalent to CHM 1100 (preferred but not mandatory)

Mechanical or General Engineering

- Calculus I, II, III – equivalent to MAT 1234, 1235, 1236*
- Vector Calculus – equivalent to MAT 3238
- Physics for Science/Engineering I, II, III – equivalent to PHY 1121, 1122, 1123
- Statics – equivalent to EGR or ME 2891
- Mechanics of Materials – equivalent to EGR or ME 3310
- Dynamics – equivalent to EGR or ME 3400
- Chemistry – equivalent to CHM 1211 (including a lab)

Preferred but not mandatory:

- Linear Algebra – equivalent to MAT 2401
- Differential Equations – equivalent to MAT 3237
- One 5-credit programming course (preferably in Python, MATLAB, or C++)
- One course in Computer Aided Design

*At some schools Calculus III and IV cover the content of SPU's MAT 1236. Consult the Transfer Course Equivalency Guide for your school.

Thank you for your interest in Engineering at Seattle Pacific University. Additional information on our programs may be found on the Engineering and Computer Science web pages (www.spu.edu/engineering) and in SPU's Catalog (http://spu.edu/catalog/undergraduate).

SEATTLE PACIFIC