

# ENGINEERING PROGRAMS AT SEATTLE PACIFIC UNIVERSITY

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SPU's engineering programs provide a high-quality, hands-on education in engineering.

- ❖ Hands-on, Design-oriented
- ❖ Community-oriented
- ❖ Academically challenging
- ❖ Employer recommended
- ❖ Dedicated, caring faculty
- ❖ Purpose-driven philosophy



## ELECTRICAL ENGINEERING

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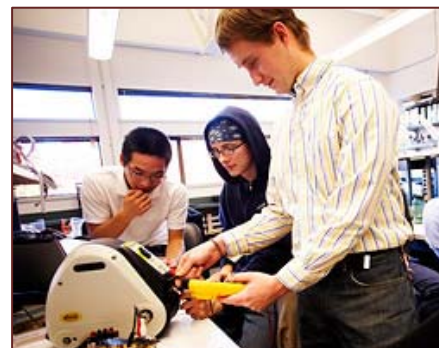
- ❖ ABET Accredited BSEE Program
- ❖ Design everywhere, all the time
- ❖ Paid Internship during summer after junior year
- ❖ Teamwork emphasis
- ❖ Management and business skills
- ❖ 100% placement rate
- ❖ Flex Program option for full-time working students
- ❖ ECASE Transfer Scholarships: \$10,000 x 3 years

Contact Dr. Kevin Bolding, Electrical Engineering Dept. Chair  
206-281-2961 - [bolding@spu.edu](mailto:bolding@spu.edu)

## NEW FOR 2009 - GENERAL ENGINEERING

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- ❖ Beginning in 2009-2010!
- ❖ Three concentrations
  - Mechanical Engineering
  - Computer Engineering
  - Appropriate and Sustainable Engineering
- ❖ Paid Internship during summer after junior year
- ❖ Teamwork emphasis



Contact Dr. Elaine Scott, Director of Engineering Programs  
206-281-2296 - [scotte@spu.edu](mailto:scotte@spu.edu)

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## TRANSFERRING INTO SEATTLE PACIFIC UNIVERSITY'S ENGINEERING PROGRAMS

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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:

Kevin Bolding, Electrical Engineering Chair. 206-281-2961. [bolding@spu.edu](mailto:bolding@spu.edu)

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### BEFORE TRANSFERRING

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Most students transfer into an engineering program after completing two years at another institution. We highly recommend earning an AA or AAS degree on SPU's direct transfer list. The list is available at under "Direct Transfer Agreements" at: <http://www.spu.edu/acad/UGCatalog/20089/GeneralInfo/admissions.asp>. Most of SPU's general education requirements are waived for students with direct-transfer associate's degrees.

Typically, full-time transfer students require another three years of schooling at SPU. We recommend beginning at SPU in the Fall and completing the following courses before transfer. Course numbers are SPU course numbers. To find equivalent courses at your institution, go to <http://www.spu.edu/depts/sas/resources/transfer-guide.asp>.

- Calculus I, II, III – MATH 1234, 1235, 1236 ← Highest Priority
- Physics for Science/Engineering I, II, III - PHYS 1121, 1122, 1123
- Differential Equations – MATH 3237
- Linear Algebra – MATH 2401
- Vector Calculus – MATH 3238
- Intro to Programming (C/C++ preferred) - CSC 1230
- Data Structures (C/C++ preferred) – CSC 2430 (only required for electrical and computer engineering)
- [Note that CSC 1230 and 2430 should be taken at the same institution.]
- **[For coherence with subsequent courses, electrical and computer engineering majors should take Circuits I (EE 2726) at SPU. Students pursuing an electrical or computer engineering degree should begin at SPU in the Fall.]**

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### ADMISSION TO SPU AND YOUR MAJOR

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Acceptance to SPU as a transfer student is based on your performance in high school and college. Students with college GPAs above 2.5 are more likely to gain admission to the university. Please see the SPU Transfer Admissions web page at <http://www.spu.edu/depts/ugadm/transfer/> for more information.

Students with a strong academic record may be accepted into an engineering major upon admission to the university. Most transfer students, though, will apply for a major after completing certain engineering courses at SPU. For more information, please contact the appropriate program faculty advisor.

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### ELECTRICAL ENGINEERING FLEX SCHEDULE PROGRAM

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In addition to our regular day program, the Electrical Engineering program is also offered in a flex (online/evening) format. (Please note: General Engineering is NOT offered in this format.) This program is designed for students taking one or two classes per quarter and takes four to seven years to complete. Concurrent online sessions are available for most EE courses. Many online courses will also require a late afternoon or evening laboratory session once per week. Occasionally some courses are offered in the evening. Please contact an engineering faculty advisor to arrange a potential course schedule.

Because the mathematics, physics, and many general education courses required by the EE major are not offered in the evening, students *must* complete the following before entering the SPU EE flex program:

- An approved AA, AAS, BA or BS degree. Please see the *Before Transferring* section above for information on which programs are approved.
- All math and physics courses listed in the *Before Transferring* section above.