

Exploring Engineering

Engineering Information

- Southwestern Community College does not offer an Associate in Engineering. Students interested in engineering should pursue an Associate in Science.
- Calculus I & II (MAT 271 / MAT 272) will be required.
- Introduction to Engineering (EGR 150) will be required.
- The College or General Physics sequence (PHY 151/152 or PHY 251/252) should be taken (it is program specific so check with the University).
- Students may need to take courses at SCC and WCU simultaneously; this is through a consortium agreement. Consortium agreements can only be used to cover courses listed in your program of study.
- Two types of pre-engineering tracks:
 - “Calc. Ready” – These students will take MAT 271 in their first fall semester.
 - Will most likely need to transfer after one year, without an Associate in Science degree.
 - Needs MAT 171/172. – These students are ready for pre-Calculus Algebra and Trig.
 - Best served by completing the AS degree and using a consortium agreement to stay on track.

WCU Engineering and Computer Science Options

WCU has several accredited engineering programs and an accredited computer science program from which to choose:

- Electrical Engineering
- Engineering Technology – Applied Systems
- Electrical and Computer Engineering Technology
- Electrical Power
- Manufacturing
- Mechanical
- Computer Science

An accredited program means you are earning a nationally recognized degree of the highest quality. The ABET accreditation is looked for by employers and graduate schools alike.

WCU Contacts

For more information in each program, you may reach out to these individuals at WCU. Note: Students should reach out to their four-year institution no later than the semester BEFORE they submit their application. It is recommended they apply 8 – 12 months prior to the semester they wish to begin.

- Dr. Chip Ferguson – cferguson@email.wcu.edu
 - Associate Dean of College of Engineering and Technology – Mechanical Engineering
- Dr. Hugh Jack – hughjack@email.wcu.edu
 - Department Head – Engineering
- Dr. Robert Adams – radams@email.wcu.edu
 - Program Director – Electrical and Computer Engineering Technology
- Dr. Sudhir Kaul - skaul@email.wcu.edu
 - Program Director – B.S. Engineering
- Dr. Wesley Stone – wstone@email.wcu.edu
 - Program Director – Engineering Technology
- Dr. Bill Yang - wyang@email.wcu.edu
 - Program Director – Electrical Engineering
- Dr. Jeff Lawson - jlawson@email.wcu.edu
 - Department Head – Computer Science and Math

Want to go somewhere other than Western Carolina?

Interested in attending one of the schools listed below?

- NC State University
- UNC-Chapel Hill University
- UNC-Charlotte University
- Appalachian State University
- Or even out of state!

See the section below on how you can get assistance!

More Information

For more information regarding consortium agreements, attending a school other than WCU, or general engineering advising help please contact Alison Carter, a_carter@southwesterncc.edu, or Hilary Seagle, hseagle@southwesterncc.edu