Electrical and computer engineers apply physics and mathematics to design, build, market, and support electrical and electronic products and computer hardware. They develop new technologies for a broad range of applications, including wireless communications, power systems, health care and medicine, multimedia, and navigation.

Electrical and computer engineers:

- Develop wind, wave, and solar energy systems.
- Design medical imaging systems for hospitals and pacemakers for heart patients.
- Build smaller, faster, and more powerful electronic devices.
- Create versatile smartphones and tablets.

Bachelor of Science Degree (BS) in the College of Engineering

- A minimum of 192 credits are required for graduation; 60 must be upper division (300 and 400-level courses).
- A maximum of 124 credits earned at a community college may be applied toward a bachelor’s degree at OSU.
- Some courses can count towards your major and the Baccalaureate Core. Advisors can assist in selection.
- OSU Catalog has a list of courses required for your major and option: catalog.oregonstate.edu

Courses for this Major offered at Linn-Benton Community College

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**Important Notes & Resources**

**Important Notes for the College and Major:**
- Grade of C or better are required in all major specific courses.
- ECE majors can participate in two six-month paid internships with MECOP [https://www.mecopinc.org/](https://www.mecopinc.org/)

**Resources and OSU Information:**
- Students do not have to complete a transfer degree in order to transfer to OSU.
- If you have completed the Oregon AAOT, all requirements of the Baccalaureate Core are complete except for Synthesis Courses and Writing Intensive Courses.
- Preparing to apply to OSU? See admissions info: [oregonstate.edu/admissions/transfer.html](http://oregonstate.edu/admissions/transfer.html)
- Want to take classes at both OSU and an Oregon community college? Check out the Degree Partnership Program: [partnerships.oregonstate.edu/students](http://partnerships.oregonstate.edu/students)
- Visit OSU for a campus tour and meet with an advisor; schedule your visit at [visitosu.oregonstate.edu/visit-campus](http://visitosu.oregonstate.edu/visit-campus)

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**General Education Courses (called Baccalaureate Courses)**

- Complete one course in each Perspectives category with no more than two in the same department.
- For full listing of courses that fulfill Baccalaureate Core, please refer to [admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-linn-benton-community-college](http://admissions.oregonstate.edu/baccalaureate-core-course-equivalencies-linn-benton-community-college)

| SKILL COURSES | Math  
| - Writing I  
| - Writing II  
| - Speech (Writing III)  
| - Fitness | Completed as part of major.  
| - WR 121. Required to transfer.  
| - WR 227  
| - COMM 111 or COMM 112  
| - HE 295

| PERSPECTIVE COURSES | Biological Science  
| - Physical Science  
| - Additional Biological or Physical Science  
| - Cultural Diversity  
| - Literature and the Arts  
| - Social Processes and Institutions  
| - Western Culture | Completed as part of major.  
| - Completed as part of major.  
| - Completed as part of major.  
| - Many options, see BaccCore link above.  
| - Many options, see BaccCore link above.  
| - Many options, see BaccCore link above.

| DPD COURSES | Difference, Power, and Discrimination | Many options, see BaccCore link above.

| SYNTHESIS COURSES | Contemporary Global Issues  
| - Science, Technology, and Society | Upper division course, take through OSU.  
| - Upper division course, take through OSU.

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**Advising Contacts**

Academic advisors at your community college and OSU are available to answer your questions and assist you in creating a transfer plan. See your community college advisor first and use this Transfer Guide to help you plan. Also, consider visiting OSU to take a campus tour and meet with an advisor. See [visitosu.oregonstate.edu/visit-campus](http://visitosu.oregonstate.edu/visit-campus) to schedule your personalized visit.

| Linn-Benton Community College Advisor | dpp@linnbenton.edu |
| OSU Electrical Engineering & Computer Science Advisor | eecsundergrad.info@engr.oregonstate.edu |
| OSU College of Engineering Main Office | askengineering@oregonstate.edu |