

# SOFTWARE ENGINEERING, B.S.

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**Begin Campus:** Any Penn State Campus

**End Campus:** Erie, World Campus

## Career Paths

Software engineering is a relatively young discipline but has great buzz—the field consistently tops Best Jobs lists because it offers great pay, broad and growing demand, and opportunities for advancement. Penn State Behrend has a comprehensive support system to help you identify and achieve your goals for college and beyond. Meet with your academic adviser often and take advantage of the services offered by the Academic and Career Planning Center beginning in your first semester.

## Careers

Students who major in software engineering work as developers, programmers, product managers, quality assurance engineers, network architects, support specialists, database administrators, and information security analysts. Software engineering skills are highly transferable and prepare you for careers in applications development, systems development, web development, and embedded systems development. Recent employers of Penn State Behrend's B.S. in Software Engineering graduates include Apple, Google, IBM, Intel, Lockheed Martin, Microsoft, Northrop Grumman, and Progressive Insurance.

MORE INFORMATION ABOUT POTENTIAL CAREER OPTIONS FOR GRADUATES OF THE SOFTWARE ENGINEERING PROGRAM (<https://behrend.psu.edu/school-of-engineering/academic-programs/software-engineering/>)

## Opportunities for Graduate Studies

Graduate study allows you to delve deeper into the subdisciplines of software engineering that interest you most. Examples of master's-level study include data science, network security, artificial intelligence, systems architecture, applications engineering, requirements engineering, project management, assessment and appraisal, or technical and managerial leadership.

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## Professional Resources

- ABET (<https://www.abet.org/>)
- IEEE (<https://www.computer.org/>)
- Association for Computing Machinery (<https://www.acm.org/>)
- Society of Women Engineers (<https://swe.org>)
- National Society of Black Engineers (<https://www.nsbe.org>)