

# Associate in Science in Natural Science *with a concentration in* Engineering

## About the Major

This major is designed to prepare you for transfer to an engineering program at a four-year university. With planning, you could earn this degree and transfer with up to two years of your four-year degree complete, saving you time and money. Students who earn this degree will be admitted to the College of Engineering at the University of Hawai'i at Mānoa.

## Gain Knowledge and Skills

This major focuses on the application of science, mathematics, creativity, and teamwork to solve real-world problems. You will learn the fundamentals of engineering principles and practices through coursework and project based learning. Engineering topics include mechanics, circuits, programming, and techniques for modeling and simulation. You will also have the opportunity to participate in hands-on learning, research, and mentoring experiences.

## Career Opportunities

Engineers are improving infrastructure such as roads, bridges, and transit systems and innovating in many areas such as renewable energy, robotics, and medicine. Future opportunities in engineering are in-demand and limitless. We cannot even begin to imagine all the ways that engineers will shape our future.

You will need a four-year degree to become an engineer, and it is well worth the time and effort. Here are just a few examples of occupational titles and salaries.

Hawai'i Salaries	Entry	Average	Experienced
Aerospace Engineer	\$81,824	\$127,758	\$165,817
Biomedical Engineer	\$60,542	\$99,816	\$137,355
Civil Engineer	\$56,763	\$83,616	\$116,688
Computer Hardware Engineer	\$61,347	\$95,435	\$129,995
Electrical Engineer	\$58,885	\$91,062	\$120,702
Engineering Manager	\$93,434	\$128,669	\$201,656
Environmental Engineer	\$59,862	\$92,851	\$119,662
Mechanical Engineer	\$52,062	\$78,499	\$116,438

For more information, visit Hawai'i Career Explorer <http://uhcc.hawaii.edu/workforce/index.php>

## Resources

TryEngineering: <http://tryengineering.org>

American Society of Civil Engineers: <https://www.asce.org/>

American Society of Mechanical Engineers: <https://www.asme.org/>

IEEE: <https://www.ieee.org/>

Society of Women Engineers: <https://swe.org/>



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