

ENGINEERING

Engineering covers a wide array of disciplines, anything from Physics, Chemistry, Biology, Geology, to Mathematics, and even Economics and Social Sciences. Engineering is much more than 'fixing things', it is about understanding how and why things work, and the best practices to design and operate them.

Orange Coast College offers diverse and transferable courses in Engineering, such as Introduction to Engineering and Design (ENGR-A110), Engineering Graphics (ENGR-A180), Programming and Problem-Solving in MATLAB (ENGR-A220), Engineering Materials (ENGR-A210), Statics (ENGR-A280), Mechanics of Materials (ENGR-A240), Dynamics (ENGR-A230), Engineering Circuits (ENGR-A285), plus an inclusive selection of elective courses that students can choose from based on their specific major and personal interest.

Upon successful completion of the 8 core courses (ENGR-A110, ENGR-A180, ENGR-A280, PHYS-A185, MATH-A185, MATH-A280, MATH-A285) and 2 elective courses, Engineering students will earn an Associate of Science Degree in Engineering. This degree is designed for students planning to pursue a Bachelor of Science Degree in Engineering or enter the workforce as Engineering Technicians. Orange Coast College offers the core engineering courses needed to help transition with ease into junior-level coursework as well as help students acquire the ability to apply principles of physics, mathematics, and the common practices and standards used in the engineering field.

The world of engineering is interesting, challenging, innovative, and helps create new designs that benefit humanity. In today's world engineering is involved with everything. They solve the most complex issues and empower the world.

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Engineering Department Website (<https://orangeoastcollege.edu/academics/math-sciences/engineering/>)

- Engineering, Associate in Science Degree (<https://catalog.cccd.edu/orange-coast/pathways/math-science-engineering/engineering/engineering-associate-science-degree/>)