

ENGINEERING

Engineers are employed in research, development, design, construction, manufacturing, and operations of technical projects related to almost all aspects of modern life, including the environment, communications, transportation, food production, medicine and health, space exploration, housing and energy. Students planning to transfer to a four-year university and major in Engineering should consult with a counselor regarding the transfer process and lower division requirements.

Contact Information

Division: Science (PS - 148)

Division Phone Number: (909) 384-8645

Faculty Chair: Anna Tolstova (atolstov@sbccd.edu), M.S.

Counselor Liaisons: Elizabeth Banuelos (ebanuelos@sbccd.edu), M.S.
and Erica Begg (ebegg@sbccd.edu), M.S.

ENGR 100 1 Unit

Engineering Career Exploration

Lecture: 18 contact hours

Departmental Recommendation: Eligibility for college level English and Mathematics based on the SBVC Guided-Self Placement process.

This course introduces students to the major fields of specialization within engineering and engineering technology professions. This course gives students a broad understanding of various career opportunities and the specialized demands and rewards of each field.

Associate Degree Applicable

Transfers to both UC/CSU

ENGR 265 3 Units

Engineering Mechanics - Statics

Lecture: 54 contact hours

Prerequisite: PHYSIC 202

This is a foundation course in many branches of engineering. Some of the topics covered are two and three dimensional equilibrium of particles and rigid bodies, analysis of frames, machines, trusses, non-coplanar force systems, and the principles of friction.

Associate Degree Applicable

Transfers to both UC/CSU