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
Advisory: 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