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DON BOSCO TECH

MISSION OF DON BOSCO TECH

As a response to the teachings of Christ and inspired by St. John Bosco, Don Bosco Technical Institute is committed to serving the youth of Los Angeles with preference for the poor and needy.

Following in the Salesian tradition, Don Bosco Tech seeks to be a school, a church, a playground and a home for young people. It does this with a spirit that reflects the principals of Reason, Religion and Kindness which St. John Bosco demonstrated in his own work for young people.

The mission of Don Bosco Tech is to form a critical thinker who is technically proficient and academically capable. Don Bosco Tech develops people who are spiritually aware and value life–long learning, leadership, and service.

GOALS OF DON BOSCO TECH

Don Bosco Technical Institute seeks to develop in its students the virtues of honesty, integrity, responsibility, trust and loyalty and strives to foster in them a commitment toward religious and moral convictions.

Don Bosco Technical Institute will provide instruction in technology which is characterized by both breadth and depth.

Don Bosco Technical Institute will offer an academic curriculum which will enhance a student's opportunities to pursue additional education, provide a foundation for life–long learning and adaptability to change, and complement the technological programs.

Don Bosco Technical Institute will promote the personal, social and emotional growth of its students.

Don Bosco Technical Institute will strive to be of assistance to the industrial and business community by providing facilities, resources, and expertise for technical training and educational programs.

ACCREDITATION

Don Bosco Technical Institute is an independent, private, non-profit institution.

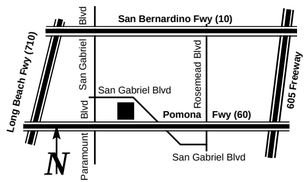
Don Bosco Technical Institute is accredited by the Western Association of Schools and Colleges. The high school is accredited by the Schools Commission; the college is accredited by the Accrediting Commission for Community and Junior Colleges.

Classified with: United States Department of Education as a two-year institution of higher education; California State Department of Education; Veterans Administration

A Member of: National Catholic Education Association; American Association of Community and Junior Colleges; American Association of Collegiate Registrars and Admissions Officers.

ADMISSIONS

For information, contact the Director of Admissions at: (626) 940-2011.



DON BOSCO TECHNICAL INSTITUTE
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Materials Science

DON BOSCO TECH
A SALESIAN EDUCATIONAL COMMUNITY

WHAT IS MATERIALS SCIENCE?

Materials Science has entered what is being called the AGE of Superstuff–an age of exciting new discoveries and applications involving traditional metals and newer plastics, ceramics, and composites. Materials scientists and engineers design and create the materials that make up our modern world. The study of Materials Science involves understanding why materials behave the way they do and how they can be manipulated into new and more useful forms. Understanding how an aluminum alloy can be made strong and heat-resistant enough to use as an automobile engine block, reducing fuel consumption and reaping environmental benefits; or how a plastic can be used to make a biocompatible interface between an ear-implant and neural tissue are examples of the advances in Materials Science. Materials Science aims to understand the relationship between the composition and structure of materials, in order to predict and control their properties. It brings together in a unified discipline the developments in physical metallurgy, polymeric chemistry, ceramics, composites, and the physics and chemistry of solids.

WHO USES MATERIALS SCIENCE?

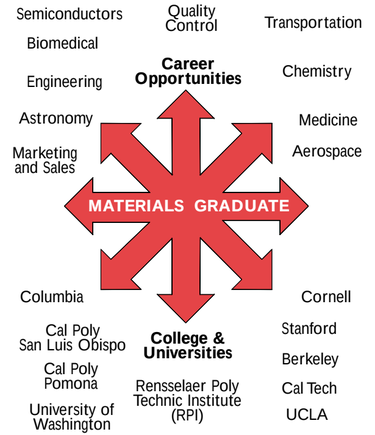
We all depend and rely on materials for every aspect of our lives. From the homes we live in, to the cars we drive; from the places we work, to the things we buy; from agriculture to space, cars, planes, boats, sports, and medicine, we use materials everyday. Materials Science is at the forefront of tomorrow because all other technologies depend on it.

WHAT DO WE OFFER?

The Materials Science department provides students with a broad exposure to the theory, testing and evaluation of metallic and non-metallic systems. While in the Materials Science program, you will study various characteristics of metals, polymers, and ceramics. Among those characteristics are their structure and a variety of physical, chemical, and mechanical properties. You will learn and develop the necessary skills in technology courses with actual hands-on laboratory sessions. You will work with x-rays, microscopes, materials testing equipment, welding and foundry laboratories.

OPPORTUNITIES IN MATERIALS SCIENCE

If you find these prospects exciting, maybe you should consider preparing for a future in Materials Science. Graduates of the Materials Science Department can pursue a college degree in various fields such as engineering, technology, science, medicine and product liability law. Also, the student may choose to enter industry directly bringing with them strong laboratory skills which they will be able to apply to any engineering or science program.



For More Information, Contact:
Materials Science Technology Department
Technology Department Chair.
Phone: (626) 940-2049

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