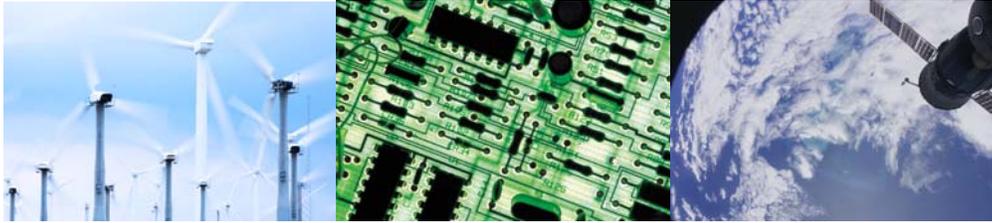


**College of San Mateo's Department of Engineering presents**



## **Engineering 100**

### **Introduction to Engineering**

### **Offered in summer (new!) and fall**

Engineering is the application of scientific and mathematical principles, experience, judgment, and common sense to make things that benefit people. Smart materials, nanoscale machines, buildings and bridges that monitor themselves, neural implants, affordable clean water and power for developing countries, the space vehicles of the future – these are the work of engineers. An engineering background is also useful in medicine, law, and business.

Engineering 100 provides an introduction to the engineering profession, courses of study and resources for engineering students, engineering design and analysis, software tools, and ethics in engineering. Prerequisite: Math 130 (trig) or score of at least 46 on college algebra placement test.

**Learn about engineering programs and majors**  
**Experience the thrill of design competitions**  
**Sharpen your analytical skills**  
**Gain experience with software tools**  
**Get a head-start on transferable coursework**  
**See how engineers work to improve our lives**

**Articulates with required courses at**

- **University of California, Berkeley**
- **San Jose State University**
- **Other universities**

For more information, contact Dr. Laura Demsetz, Professor of Engineering & Faculty Advisor, [demsetz@smccd.edu](mailto:demsetz@smccd.edu)