

# Stanford School of Engineering

## SoE Departmental Majors\*

### **Aeronautics and Astronautics (AA)**

250A Durand [H-6] — Patrick Ferguson

Structural, aerodynamic, guidance & control, and propulsion problems of aircraft and spacecraft

### **Bioengineering (BioE)**

S165 Clark Center [E-6] — Teri Hanks

A fusion of engineering, the life sciences, & medicine

### **Chemical Engineering (ChE)**

113 Stauffer III [F-7] — Pamela Dixon

Fundamental knowledge and pioneering technologies in chemical science & engineering

### **Civil Engineering (CE)**

316 Y2E2 in SEQ [G-6] — Jill Filice

Design, construction and management of sustainable buildings and infrastructure

### **Computer Science (CS)**

182 Gates [F-7] — Claire Stager

The science of computing in a wide-ranging field of focus areas

### **Electrical Engineering (EE)**

177 Packard [F-6] — Amy Duncan

Combining the physical & mathematical aspects of electronics for advanced systems

### **Environmental Engineering (EnvE)**

316 Y2E2 in SEQ [G-6] — Jill Filice

Assess & develop solutions to environmental issues impacting the biosphere, land, water, and air quality

### **Management Science and Engineering (MS&E)**

141 Huang in SEQ [G-6] — Lori Cottle

Plan, design, and implement complex economic and technological management systems

### **Materials Science and Engineering (MatSci)**

111 Durand [H-6] — Fi Verplank

Study the relation between the structure, processing, and properties of materials

### **Mechanical Engineering (ME)**

Bldg 530, Rm 125 [H-8] — Kelly Guerriero

Conceptualization, analysis, design, and fabrication of mechanical devices, processes, and systems

## Interdepartmental Majors in Engineering\*

### **Architectural Design (AD)**

316 Y2E2 in SEQ [G-6] — Jill Filice

Blending architectural design with cutting-edge engineering technologies

### **Atmosphere and Energy (AE)**

316 Y2E2 in SEQ [G-6] — Jill Filice

Study of fossil fuel and sources of renewable energy to provide students with the fundamental background necessary to create efficient energy systems.

### **Biomechanical Engineering (BME)**

Bldg 530, Rm 125 [H-8] — Kelly Guerriero

Integrates biology and clinical medicine with engineering mechanics and design

### **Biomedical Computation (BMC)**

135 Huang in SEQ [G-6] — Darlene Lazar

Combines biology, medicine, and computer science in a cutting-edge interdisciplinary degree

### **Engineering Physics (EPhys)**

135 Huang in SEQ [G-6] — Darlene Lazar

Combines physics and mathematics with engineering design and problem-solving skills

### **Product Design (PD)**

Bldg 530, Rm 125 [H-8] — Kelly Guerriero

Mechanical engineering with a focus on product conception and design

### **Individually Designed Majors in Engineering (IDMEN)**

135 Huang in SEQ [G-6] — Darlene Lazar

Design your own program in an area not covered by existing majors

*No separate application is needed to declare a major in engineering at Stanford; see UG Admissions for the University application process at <http://admission.stanford.edu/>*

### **Find details on SoE programs in**

*The Handbook for Undergraduate Engineering Programs*

| <http://ughb.stanford.edu> |

*\*Bracketed code indicates location on map*