

# What Can I Do With This **Ohio State** Major?

Bachelor of Science

## Mechanical Engineering

College of Engineering

The mechanical engineer is a professional concerned with machines that perform an infinite variety of tasks involving mechanical work and the conversion of energy into mechanical work. This includes the conversion of solar, chemical, or nuclear energy into mechanical work through various engines and power plants; the transporting of energy via heat exchangers, pipelines, linkages, and air conditioners; and the harnessing of energy to perform tasks useful to society through land, sea, air, and space vehicles, machine tools, home appliances, and agricultural machinery. The mechanical engineer is employed in virtually every kind of industry to seek knowledge through research; to do creative design and development; and to construct, control, and manage the devices and systems needed by humanity.

### Career Areas/Job Titles:

#### Science and Technology

Acoustics Analyst  
Aerodynamic Efficiency  
Consultant  
Aerospace Propulsion  
Researcher  
Automotive Engineer  
Biomedical Technology  
Developer  
Computer Assisted Drawer  
Field Service Engineer  
Industrial Hygienist  
Machine Production Designer  
Mechatronics Engineer

Nanotechnology Specialist  
Packaging Engineering  
Process Improvements  
Designer  
Research and Development  
Robotics Specialist  
Six Sigma Quality Control

#### Education

K-12 STEM Teacher  
Lab Technician  
Professor  
Researcher  
Technical Writer

#### Non-Profit/Advocacy

Service-Learning Coordinator

#### Management and Industry

Technical Writer  
Technical Sales  
Representative Market  
Research Analyst Copy Writer  
Patent Agent

#### Government/Politics

Urban and Regional Planner  
Structural Analyst

*\*Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*

### Transferable Skills:

Quantitative Reasoning  
Data Analysis  
Computer Skills  
Teamwork  
Analytical/Critical Thinking

Problem Solving  
Leadership  
Reading Comprehension  
Written Communication  
Creativity

Research skills  
Technical Writing  
Forecasting/Predicting

*\*This is not an extensive list of transferable skills. See larger list of skills you might develop here:*

<http://ccss.osu.edu>

### Professional Links:

OSU Engineering Project Teams: <http://engineering.osu.edu/studentprojects/index.php>

Occupational Outlook Handbook: [Engineers](#)

American Society of Mechanical Engineers: <http://www.asme.org/>

National Society of Black Engineers: <http://www.nsbe.org/>

Society of Women Engineers: <http://societyofwomenengineers.swe.org/>

