



# What can I do with a major in Mechanical Engineering

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*The information below describes typical occupations and employers associated with this major.*

*Understand that some of the options listed below may require additional training.*

*Moreover, you are not limited to these options alone when choosing a possible career path.*

## **Description of Mechanical Engineering**

The Department of Mechanical Engineering offers an ABET accredited Bachelor of Science degree in Mechanical Engineering. The department is made up of a diverse faculty with the expertise necessary to expose you to state-of-the-art principles. Within the two traditional concentrations of energy systems and solid mechanics lie a great number of sub-specialties. You can take classes in areas from forensics, to the next generation of atmospheric and space propulsion systems, to the latest in composite materials.

As a student in the Mechanical Engineering department at CBU you are part of a great tradition. Our students have a superior record at the American Society of Mechanical Engineers' regional student conference, as well as The Great Moon Buggy Race held at NASA's Marshall Space Flight Center. Through participation in these events, you have the opportunity to hone your skills in areas such as oral presentations, written communication, fabrication, and real-time problem solving.

Maintaining a link with industry is important to both your learning and departmental growth. All ME seniors complete a capstone design project, performed over two consecutive semesters, sponsored by a variety of industrial partners. You can also take advantage of our internship program, through which you receive credit toward graduation by completing a one-semester internship under the supervision of an engineer in a related industry.

## **Possible Job Titles of Mechanical Engineering Graduates (Includes Full-Time, Internships & Co-Ops)**

*(\*Jobs secured as reported by CBU Career Services post-graduate survey)*

Associate Quality Engineer*	Machine Operator*	Process/Automation Engineer
Applications Engineer*	Maintenance & Safety Engineer	Product Engineer*
Cognizant System Engineer-Mechanical	Manager - Utility Distribution Systems	Productivity Specialist*
Electric Power Consulting Engineer	Manufacturing Engineer*	Reliability Engineer
Engineer - Equipment Validation	Mechanical Design Engineer	Sales Engineer*
Engineer - Sales & Application	Mechanical Engineer (EIT)*	Senior Packaging Systems Engineer
Engineering/Environmental Chemist	Mechanical System Design	Senior Product Engineer
Heat Transfer Analyst	Analysis Engineer 1	Structural Analysis Engineer
Industrial Engineer	Piping Supervising Discipline Engineer	Supplier Quality Assurance Engineer
Industrial Facility Engineer II	Power Generation Engineer	

## **Possible Employers and Employment Settings for Mechanical Engineering Graduates**

*(\*Jobs secured as reported by CBU Career Services post-graduate survey)*

Ace Metal Crafts Company	Diversified Conveyors*	Soladigm Inc.
Array Technologies, Inc.	EJ	Superconducting Systems, Inc.
ASCO	FedEx*	Tesoro Refining and Marketing
Baskervill	Fermilab	Thomas & Betts
Boeing	FL Smith	UAF
BOLTgroup	Foley, Incorporated	URS
CDI Corporation	Gyrus Acmi*	U.S. Navy*
Crestron	Harris Group Inc.	UTC Aerospace Systems
Cromwell Architects Engineers*	Motive Power & Equipment Solutions	Walton Process Technologies
Cummins Inc.*	NexAir*	WARDJet
DART	Nordson	Weis Environmental*
DesignLine USA	NuVasive, Inc.*	

### **Skill Sets and Interests Associated with Mechanical Engineering Majors**

Analyze ideas and use logic	Express ideas clearly	Measure and improve performance
Analyze user needs & requirements	Identify patterns	Perceive and Visualize
Communicate	Identify problems	Reason and Problem Solve
Complex Problem Solving	Innovate	Solve problems
Critical Thinking	Judge the costs and benefits	Time Management
Design equipment & technology	Listen to others, ask questions	Work well with people
Develop rules & guidelines	Mathematics Skills	

### **Top Career Services Resources for Mechanical Engineering Majors**

Career Resources Library (Buckman 207)  
CareerLinX: <https://cbu-csm.symplicity.com/students/>  
Memphis Business Journal, Book Of Lists

### **Sign up for a free account and find out what careers you might be a fit for using:**

TypeFocus: [www.typefocus.com](http://www.typefocus.com) (Access Code: CBU8998)  
SIGI 3: [www.tinyurl.com/cbusigi](http://www.tinyurl.com/cbusigi)

### **CBU Campus Contacts Associated with Mechanical Engineering**

Dr. Paul Shiue - Chair, Professor  
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### **Additional Resources/Contacts for Mechanical Engineering Majors**

American Society Of Mechanical Engineers: <https://www.asme.org/>  
Tennessee Society Of Professional Engineers: <http://www.tnspe.org/>