

California State University, Sacramento  
COLLEGE OF ENGINEERING AND COMPUTER SCIENCE  
Department of Mechanical Engineering

**APPLICATION FOR PART-TIME INSTRUCTOR POSITION**

NAME: \_\_\_\_\_ DATE: \_\_\_\_\_

HOME ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

BUSINESS ADDRESS: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_ E-MAIL: \_\_\_\_\_

**Availability**

Semester:     Fall Only                       Spring Only                       Any/Negotiable

Time:             Early morning (7:30 - 9 a.m.)             Late afternoon (4 - 6 p.m.)  
                     Morning (9 a.m. - 12 p.m.)             Evening (6:00 - 9:00 p.m.)  
                     Afternoon (12 - 4 p.m.)                 Any/Negotiable

Maximum Number of Units out of 15: \_\_\_\_\_

**Course(s) Qualified to Teach: Please check the courses on the attached sheets.**

Courses Taught in the Past:   
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Strengths in the Courses Listed:   
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Academic Preparation and/or Degrees Earned:   
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**On the following pages, please indicate all courses you have expertise and interest in teaching, or have taught in the past.**

Course descriptions are available on-line at: <https://catalog.csus.edu/courses-a-z/me/>

**COURSE OFFERINGS  
MECHANICAL ENGINEERING and  
ENGINEERING**

Undergraduate Mechanical Engineering

- ME 37 - Manufacturing Processes (3 units)
- ME 76 - Programming and Problem Solving in Engineering (2 units)
- ME 106 - Applications of Programming in Mechanical Engineering (1 unit)
- ME 108 - Professional Topics in Mechanical Engineering (2 units)
- ME 116 - Machinery Design I (2 units)
- ME 117 - Machinery Design II (2 units)
- ME 120 - Fluid Mechanics for Mechanical Engineers (3 units)
- ME 126 - Heat Transfer (3 units)
- ME 128 - Thermal-Fluid Systems (3 units)
- ME 138 - Concurrent Product and Process Design (3 units)
- ME 171 - Modeling & Simulation of Mechatronics & Control Systems (3 units)
- ME 172 - Control System Design (3 units)
- ME 180 - Mechanical Properties of Materials (3 units)
- ME 190 - Project Engineering I (3 units)
- ME 191 - Project Engineering II (2 units)

Undergraduate Engineering

- ENGR 6 - Engineering Graphics and CADD (3 units)
- ENGR 45 - Engineering Materials (3 units)
- ENGR 110 - Analytic Mechanics: Dynamics (3 units)
- ENGR 124 - Thermodynamics (3 units)

**Please list any areas in which you would be able to teach as an elective:**

## Undergraduate Mechanical Engineering Electives

- ME 114 - Vibrations (3 units)
- ME 115 - Dynamics of Machinery and Multi-Body Systems (3 units)
- ME 121 - Solar Thermal and Energy Storage Systems (2 units)
- ME 122 - Geothermal and Bioenergy Systems (2 units)
- ME 123 - Wind, Hydro and Ocean Energy (3 units)
- ME 129 - Power Plant Engineering (3 units)
- ME 132 - Solar Energy, Geothermal Energy, and Bioenergy Systems (3 units)
- ME 136 - Numerical Control Programming (3 units)
- ME 137 - Product Design for Manufacturing and Automation (3 units)
- ME 140 - Introduction to Motors and Actuators (2 units)
- ME 141 - Introduction to Tolerance Analysis (2 units)
- ME 143 - Vehicle Dynamics and Design (3 units)
- ME 145 - Vehicle Crash Reconstruction (3 units)
- ME 151 - Fundamentals of Combustion (3 units)
- ME 152 - Turbomachinery Design (3 units)
- ME 153 - Thermodynamics of Combustion Engines (3 units)
- ME 154 - Alternative Energy Systems (3 units)
- ME 155 - Gas Dynamics (3 units)
- ME 156 - Heating and Air Conditioning Systems (3 units)
- ME 157 - Solar Energy Engineering (3 units)
- ME 159 - High Efficiency HVAC (3 units)
- ME 164 - Introduction to Test Automation (3 units)
- ME 165 - Introduction to Robotics (3 units)
- ME 173 - Applications of Finite Element Analysis (3 units)
- ME 176 - Product Design CAD (3 units)
- ME 177 - Product Design and 3D Parametric Solid Modeling (3 units)
- ME 182 - Introduction to Composite Materials (3 units)
- ME 183 - Materials Selection in Engineering Design (3 units)
- ME 184 - Corrosion and Wear (3 units)
- ME 186 - Fracture Mechanics in Engineering Design (3 units)
- ME 194 - Career Development in Mechanical Engineering (1 unit)