

# 2023-2024 TTC Catalog - Mechanical Engineering Technology (MET)

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## **MET 001 - Mechanical Engineering Technology Non-Equivalent**

**Lec: 0 Lab: 0 Credit: \***

Indicates credit given for mechanical engineering technology course work transferred from another college for which there is no equivalent course at TTC. \*Hours vary depending on external course.

**Division:** Engineering and Construction

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## **MET 233 - Applied Thermal Principles**

**Lec: 4.0 Lab: 0 Credit: 4.0**

### **Course Offered**

Fall

This course emphasizes the application of the laws of thermal science in the workplace. Systems covered include steam power, gas turbines, internal combustion, refrigeration, heat pumps, psychometry, air conditioning and heat transfer. Appropriate instrumentation for measuring temperature, pressure, flow, level and related phenomena will be utilized.

### **Prerequisite**

ENG 101

**Grade Type:** Letter Grade

**Division:** Engineering and Construction

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## **MET 237 - Fluids: Principles and Application**

**Lec: 3.5 Lab: 1.5 Credit: 4.0**

### **Course Offered**

Fall

This course covers the flow of incompressible fluids in pipes using the general energy equation. An analysis of proven hydraulic circuits is included. Compressible fluids will also be studied. Pneumatic systems applications will be explored.

**Prerequisite**

EGR 110

and

EGR 290

and

ENG 101

**Grade Type:** Letter Grade

**Division:** Engineering and Construction

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