

# MECHANICAL ENGINEERING TRANSFER GUIDE

Earn your associate degree from Sinclair College and then transfer seamlessly to Wright State University to earn your bachelor's degree.

Below are the official Sinclair and Wright State courses. Your plan may be different.

Meet with your academic and/or faculty advisor to discuss and create your personal degree plan each semester.



**Associate of Science in Engineering  
and Engineering Technology**

TO



**Bachelor of Science in  
Mechanical Engineering**

## FIRST YEAR

### Sinclair Fall Semester

- CHE 1211: General Chemistry I
- CHE 1251: Lab for General Chemistry I
- EGR 1101: Introduction to Math for Engineering Applications
- ENG 1101: English Composition I
- MET 1301: Solidworks
- COM 2211: Effective Public Speaking

### Sinclair Spring Semester

- MAT 2270: Calculus and Analytical Geometry I
- PHY 2201: General Physics I
- PHY 2207: Lab for General Physics I
- PHY 2210: Problem Solving Physics with Matlab
- Ohio Transfer Module Course

### Wright State Fall Semester Equivalent

- CHM 1210: General Chemistry I
- CHM 1210L: Lab for General Chemistry I
- EGR 1010: Introduction to Math for Engineering Applications
- ENG 1100: Academic Writing and Reading
- ME 1040: Engineering Design and Solid Modeling
- COM 1010: Essentials of Public Address

### Wright State Spring Semester Equivalent

- MTH 2300: Calculus I
- PHY 2400: General Physics I
- PHY 2400L: Lab for General Physics I
- ME 1020: Engineering Programming with Matlab
- Wright State University Core Requirement

## SECOND YEAR

### Sinclair Fall Semester

- PHY 2202: General Physics II
- PHY 2208: Lab for General Physics II
- MAT 2280: Calculus and Analytical Geometry II
- MEE 2101: Statics for Engineers
- Ohio Transfer Module Course

### Sinclair Spring Semester

- MAT 2330: Differential Equations and Linear Algebra
- MEE 2401: Dynamics for Engineers
- MEE 2201: Thermodynamics for Engineers
- MEE 2301: Strength of Materials for Engineers
- Ohio Transfer Module Course

### Wright State Fall Semester Equivalent

- PHY 2410: General Physics II
- PHY 2410L: Lab for General Physics II
- MTH 2310: Calculus II
- ME 2120: Statics
- Wright State University Core Requirement

### Wright State Spring Semester Equivalent

- MTH 2350: Differential Equations with Matrix Algebra
- ME 2210: Dynamics
- ME 3310: Thermodynamics I
- ME 3120: Mechanics of Materials
- Core Course

**Total Sinclair Credit Hours: 67**

See reverse for third and fourth years and the Wright State admissions process.

# THIRD YEAR AT WRIGHT STATE

## Fall Semester

- MTH 2320: Calculus III
- ME 2700: Structure and Properties of Materials
- EE 2010: Circuit Analysis I
- EE 2010L: Lab for Circuit Analysis I
- EGR 3350: Technical Communication for Engineers and Scientists
- ME 3350: Fluid Dynamics

## Spring Semester

- ME 3600: Experimental Measurements and Instrumentation
- ME 3360: Heat Transfer
- ME 3210: System Dynamics
- ME 4140: Mechanical Design I

# FOURTH YEAR AT WRIGHT STATE

## Fall Semester

- ME 4910: Capstone Design I
- Track Course
- Track Course
- Track Course
- Technical Elective

## Spring Semester

- ME 4920: Capstone Design II
- Senior Lab
- Technical Elective
- Technical Elective

Total Wright State Credit Hours: **53**

Minimum credit hours required to graduate from Wright State: **120**

## Transfer to Wright State

- Apply to Wright State at [wright.edu/apply](http://wright.edu/apply).
- To learn more about the transfer process, visit [wright.edu/sinclair/mme](http://wright.edu/sinclair/mme), email [transfer@wright.edu](mailto:transfer@wright.edu) or call 937-775-4830.
- Visit [wright.edu/wrightpath](http://wright.edu/wrightpath) to explore the Wright Path Program, which offers up to \$3,500 in scholarships.

## Additional Steps to Enter the Mechanical Engineering Program

- When you apply through the Admissions Portal, list mechanical engineering as your intended major.

Visit [wright.edu/mme](http://wright.edu/mme) for more information on the program.

For assistance with academic advising, selecting courses, and creating your personal degree plan, contact:

**Sinclair College Academic Advising Center**  
Room 10301, Building 10  
937-512-3700  
[academicadvising@sinclair.edu](mailto:academicadvising@sinclair.edu)

**Wright State College of Engineering and  
Computer Science Advising**  
280 Joshi Research Center  
937-775-5272  
[cecs-advisors@wright.edu](mailto:cecs-advisors@wright.edu)