



Transfer Institution: Waukesha County Technical College
Associate Degree Program: Mechanical Engineering Techn.
Bachelor's Degree Program: Mechanical Engineering
Academic Year: 2025-2026

GENERAL STUDIES COURSES *asterisk indicates preferred course for transfer.

| WCTC | | | CARROLL | | |
|--|---|--------|---|--|--------|
| COURSE NUMBER | COURSE TITLE | CREDIT | COURSE NUMBER | COURSE TITLE | CREDIT |
| 801-136 OR 801-223 Approved Sub | English Composition I English Composition II | 3 | ENG170 | Writing Seminar | 3 |
| 801-196 OR 801-198 Approved Sub | Oral/Interpersonal Communication Speech | 3 | COM101 | Principles of Communication | 3 |
| 804-156 | Calculus 2 | 4 | MAT161 | Calculus II | 4 |
| 804-198 | Calculus 1 | 4 | MAT160 | Calculus I | 4 |
| 806-187 | Calculus Based Physics 1 | 3 | PHY203 | General Physics I | 3 |
| 809-195 OR 809-143, 809-287 Approved Sub | Economics Microeconomics Principles of Macroeconomics | 3 | ELE000 ECO124 ECO225 | Elective Principles of Economics-Microecon. Principles of Economics-Macroecon. | 3 |
| 809-199 OR 809-198 | Psychology of Human Relations Introduction to Psychology | 3 | ELE000 PSY101 | Elective Introductory Psychology | 3 |
| Total general studies credits earned: | | 23 | Total general studies credits accepted: | | 23 |

CORE COURSES

| WCTC | | | CARROLL | | |
|--|--------------------------------|--------|----------------------------------|--|--------|
| COURSE NUMBER | COURSE TITLE | CREDIT | COURSE NUMBER | COURSE TITLE | CREDIT |
| 420-160 | Manufacturing Processes-Cold | 2 | ½ of MEE2400 | Manufacturing Process | 3 |
| 606-114 | GD&T | 3 | ELE000 | Elective | 3 |
| 606-115 | Technical Drafting/CAD | 4 | GEN105 | Engineering Graphics | 4 |
| 606-116 | Machine Design Elements | 3 | ELE000 | Elective | 3 |
| 606-117 | Computer Programming Engineers | 3 | CSC110 | Problem Solving through Programming | 3 |
| 606-121 | Technical Statics | 4 | MEE2100 | Statics | 4 |
| 606-123 | Solid Mechanics | 3 | GEN310 | Strengths of Materials (+Lab) | 3 |
| 606-135 | Engineering Design Projects I | 2 | GEN101 | Seminar: Simulated Engineering Firm | 2 |
| 606-137 | Measurement/Experimentation | 3 | MEE3500 | Measurement and Instrumentation (+Lab) | 3 |
| 606-145 | Engineering Design Projects II | 2 | GEN201 | Seminar: Simulated Engineering Firm | 2 |
| 606-162 | Manufacturing Process - Hot | 2 | ½ of MEE2400 | Manufacturing Process | 2 |
| 606-169 | Dynamics | 3 | MEE2150 | Dynamics | 3 |
| 606-170 | Kinematics | 3 | MEE3700 | Kinematics and Dynamics of Machines | 3 |
| 606-186 | 3D/Parametric Design | 3 | ELE000 | Elective | 3 |
| 606-189 | Finite Elem Analysis/Engineers | 3 | ELE000 | Elective | 3 |
| Total core credits earned: | | 43 | Total core credits earned: | | 43 |
| Total credits required for graduation: | | 66 | Total transfer credits accepted: | | 66 |

ADDITIONAL COURSES TO BE COMPLETED FOR B.S DEGREE:

| CARROLL | | | |
|--|--|--------|--|
| COURSE NUMBER | COURSE TITLE | CREDIT | PROGRAM NOTES |
| CHE109 | Principles of Chemistry 1 (+Lab) | 4 | Please see Carroll University Catalog for Mechanical Engineering degree requirements |
| GEN100 | WAIVED | 0 | |
| GEN301 | Seminar: Simulated Engineering Firm | 1 | Total credits required for graduation are based upon a calculation of transfer credits accepted plus credits required to complete the B.S. degree. |
| GEN320 | Advanced Circuits and Electronics (+Lab) | 2 | |
| ISE2100 | Engineering Economics | 3 | Transfer students with an associate of applied science degree will receive an exemption from the PIO CORE requirements. |
| MAT207 | Calculus III | 4 | |
| MAT309 | Differential Equations | 4 | |
| MAT312 | Theory of Probability & Statistics | 4 | |
| MEE2300 | Numerical Computation for Engineering | 3 | |
| MEE3100 | Engineering Materials | 3 | |
| MEE3250 | Fluid Mechanics (+Lab) | 3 | |
| MEE3300 | Heat Transfer | 3 | |
| MEE3550 | Dynamic Systems and Controls (+Lab) | 3 | |
| MEE3750 | Machine Design | 3 | |
| MEE3800 | Internship | 3 | |
| MEE3900 | Mechanical Engineering Design Project I | 3 | |
| MEE4100 | Mechatronics | 3 | |
| MEE4900 | Mechanical Engineering Design Project 2 | 3 | |
| PHY204 | General Physics II (+Lab) | 4 | |
| PHY320 | Thermodynamics | 4 | |
| ELE000 | Elective | 2 | |
| Total credits required to complete degree: | | 62 | |
| Total credits required for graduation: | | 128 | |



GRADUATION REQUIREMENTS

- Students must earn a minimum of 128 credits; with the final 32 credits completed at Carroll.
- Students must earn a minimum 2.0 cumulative GPA, a minimum 2.0 Carroll GPA and a minimum 2.0 major GPA.
- One-fourth of major requirements must be completed at Carroll.
- 72 credits may transfer from a two-year institution.

MISCELLANEOUS

- Students with the **A.A.S. Mechanical Engineering Technology** degree will transfer with junior standing provided the degree includes appropriate program and grade requirements.
- Due to changes in course content, transfer equivalencies are subject to change.