



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.