

School of Trade and Technology

Engineering Degree ET33 Mechanical—66 Credit Hours

Program Chair: luis.acevedo@westgatech.edu

Courses may rotate among the following locations: Carroll

<input type="checkbox"/>	<p>**Learning Support Courses (refer to Admissions evaluation). Examples include: ENGL 0998, ENGL 0996/1101, MATH 0090 and MATH 0999/1111. Not available online; courses must be completed on campus if student is provisional and not regular status.</p> <p><i>These courses are not calculated into students' institutional GPA. Learning support courses are individually assigned based on admissions testing results and program requirements. 0096 courses must be completed with the Adult Education department before starting college program—contact Admissions for questions regarding evaluations.</i></p>			
Fall	Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	Area I: ENGL 1101 (3)	Composition and Rhetoric	Degree program admission level writing and reading competency	Online
<input type="checkbox"/>	ENGT 1000 (3)	Introduction to Engineering Technology	None	
<input type="checkbox"/>	Area I: SPCH 1101 (3)	Public Speaking	Degree program admission level writing and reading competency	
<input type="checkbox"/>	CIST 1305 (3)	Program Design and Development	None	Online
<input type="checkbox"/>	Area III: MATH 1111 (3)	College Algebra	Degree program admission level algebra competency	
Spring	Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	MEGT 1010 (3)	Manufacturing Processes	Regular status (all learning support complete or no learning support required) and ENGT 1000	
<input type="checkbox"/>	CIST 2361 (4)	C ++ Programming I	CIST 1305	Online

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Spring Continued	Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	Area III: MATH 1113 (3)	Precalculus	MATH 1111 with a minimum grade of C	
<input type="checkbox"/>	DFTG 2010 (4)	Engineering Graphics	None	Online
Summer	Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	MEGT 1321 (2)	Machining and Welding	Regular status (all learning support complete or no learning support required)	
<input type="checkbox"/>	Area II: HIST 1111 (3) -OR- HIST 1112 (3)	World History I World History II	Degree program admission level writing and reading competency	Online HIST 1111 – World History to 1600 HIST 1112 – World History Since 1500
<input type="checkbox"/>	Area IV: ARTS 1101 (3) -OR- MUSC 1101	Art Appreciation Music Appreciation	Degree program admission level writing and reading competency	Online
<input type="checkbox"/>	Area I: ENGL 1102 (3)	Literature and Composition	ENGL 1101 with a minimum grade of C	Online

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Fall	Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	Area III: **MATH 1131 (4)	Calculus I	MATH 1113 with a minimum grade of C	
<input type="checkbox"/>	Area III: PHYS 1111 (3)	Introductory Physics I	ENGL 1101 with a minimum grade of C and MATH 1112 or MATH 1113 with a minimum grade of C	Corequisite PHYS 1111L
<input type="checkbox"/>	Area III: PHYS 1111L (1)	Introductory Physics I Lab	ENGL 1101 with a minimum grade of C and MATH 1112 or MATH 1113 with a minimum grade of C	Corequisite PHYS 1111
<input type="checkbox"/>	Area III: CHEM 1211 (3)	Chemistry I	MATH 1101 or MATH 1103 or MATH 1111 with a minimum grade of C	Corequisite CHEM 1211L
<input type="checkbox"/>	Area III: CHEM 1211L (1)	Chemistry I Lab	MATH 1101 or MATH 1103 or MATH 1111 with a minimum grade of C	Coerequisite CHEM 1211
Spring	Course Number (credits)	Course Name	Prerequisite	Notes
<input type="checkbox"/>	ENGL 1105 (4)	Workplace and Technical Communication	ENGL 1101 with a minimum grade of C	
<input type="checkbox"/>	MATH 1132 (4)	Calculus II	MATH 1131 with a minimum grade of C	

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Spring Continued	Course Name	Prerequisite	Notes
<input type="checkbox"/>	DFTG 2020 (3)	Visualization and Graphics	None
<input type="checkbox"/>	Area III: PHYS 1112 (3)	Introductory Physics II	PHYS 1111/1111L with a minimum grade of C Corequisite PHYS 1112L
<input type="checkbox"/>	Area III: PHYS 1112L (1)	Introductory Physics II Lab	PHYS 1111/1111L with a minimum grade of C Corequisite PHYS 1112

*This is a Guided Pathways Program for students admitted Spring or Fall Semester. Guided Pathway students do not self-register. Please contact the program chair or GPS advisor for more information. Guide Pathway Advisor: Tammy.Jackson@westgatech.edu

This program is eligible for Federal Aid including Pell Grant and federal student loans and may be eligible for Institutional and State Financial Aid. Contact the Financial Aid office for eligibility requirements and application materials.

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