

AAS: Mechanical Technology

Curriculum Chair: Prof. Tom Curanovic TECH-133 Tel # (914) 606-6942 Email: Tom.Curanovic@sunywcc.edu

Academic Dean: Dr. Raymond Houston TECH-106 Tel # (914) 606-6789 Email: Raymond.Houston@sunywcc.edu

Developmental Courses as required based on placement scores

<input type="checkbox"/>	ENG 91 Writing for College 1 – Score of 4 E Code 1 and below, 30.01
<input type="checkbox"/>	ENG 92 Writing for College 2 – Score of 6 E Code 2, 30.02
<input type="checkbox"/>	ENG 99 Writing Studio with linked ENG 101+ - Score of 6 E Code 2, 30.02 OR successful completion of ENG 91
<input type="checkbox"/>	ESL 94 Academic Writing 1 – Score of 5 or 6 E Code 6, 20.01 .
3 <input type="checkbox"/>	ESL 122 Academic Writing 2 – Score of 7 E Code 7, 21.01
<input type="checkbox"/>	MATH 92 Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below, 40.01
OR <input type="checkbox"/>	MATH 93 Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below, 40.02
	MATH 94 Foundations of Mathematical Reasoning – Arithmetic score 45 and above, Elementary Algebra 54 and below, 40.02
<input type="checkbox"/>	READ 93 Foundation of College Reading – Score of 57 and below, 10.01
3 <input type="checkbox"/>	READ 105 Analytical Reading – Score of 58 and higher 11.01

Core Requirements

3 <input type="checkbox"/>	ENG 101 – Writing and Research OR ENG 101H
3 <input type="checkbox"/>	ENG 102 – Writing and Literature OR ENG 102H
4 <input type="checkbox"/>	MATH 135 – College Algebra with Trigonometry or higher
4 <input type="checkbox"/>	MATH 161 – Pre-calculus or higher MATH 135 is the prerequisite.
4 <input type="checkbox"/>	PHYS 101 - Technical Physics I (and Lab) MATH 135 is the prerequisite.
	<p>THE ARTS, FOREIGN LANGUAGE, or OTHER WORLD CIVILIZATIONS GENERAL ED REQUIREMENTS – Select a 3/4 credit course:</p> <p>ART 101, 102, 103, 104, 105, 106, 107, 107H, 108, 109, 109A, 110, 111, 112, 125, 129, 130, 133, 134, 135, 137, 138, 140, 141, 147, 201, 203, 212, 265, DANCE 101, 102, 107, 120, 121, 205, 207, FILM 100, 101, 102, 130 MUSIC 110, 110H, 111, 120, 121, 130, 131, 132, 133, 150, 230, 231, 232, 233, THEAT 111, 113, 201 ARAB 101, 102, CHIN 102, FREN 101, 102, 201, ITAL 101, 102, 103, 201, 201H, 202, 202H, 250, JAPN 101, 102, RUSS 101, SPAN 101, 102, 103, 104, 201, 201H, 202, 202H, 203, 204 ANTH 120, 210, 215H, HIS 119, 128, 129, 131, POLSC 113, ENG 227</p>
3 <input type="checkbox"/> /4 <input type="checkbox"/>	
	<p>AMERICAN HISTORY, WESTERN CIVILIZATION or SOCIAL SCIENCES GENERAL ED REQUIREMENTS – Select a 3 credit course:</p> <p>ANTH 101, 102, 102H, 103, 201, CJ 111, ECON 101, 101H, 102, 102H, GEOG 101, HSERV 102, 200, LIN 201, POLSC 111, 111H, 115, PSYCH 101, 101H, 103, 103H, 107, 109, 110, 111, 112H, 201, SOC 101, 101H, 102, 103, 104, ART 108, 109, HIS 101, 102, 104, 106, 110, 111, 112, 121*, 133**, 134**, POLSC 102, 104, 107</p>

	<p><i>*Students who complete this course cannot use HIS 133 or 134 to fulfill degree and/or general education requirements</i></p> <p><i>**Students who complete this course cannot use HIS 121 to fulfill degree and/or general education requirements</i></p>
3□	
	PE: One course (1 credit)
1□	

Degree Requirements			
3□	MECH 144 – Manufacturing 1: Offered in Fall Semester.		
3□	MECH 162 – CAD 1		
3□	MECH 163 – CAD 2 MECH 162 is the prerequisite.		
3□	ELEC 128 – Electrical Circuits: MATH 93 or High School Algebra is the prerequisite.		
3□	MECH 120 – Mechanism: MECH 162 and MATH 135 or higher are the prerequisites.		
3□	MECH 127* – Introduction to Thermodynamics: MATH 135 is the prerequisite. PHYSC 101 is a co-requisite.		
3□	MECH 145 – Manufacturing 2 MECH 144 is the prerequisite. Offered Spring Semester.		
3□	MECH 156 – Fluids: MATH 135 and PHYSC 101 are the prerequisites. Offered Spring Semester.		
3□	MECH 289 – Manufacturing Processes: Offered Spring Semester.		
3□	CIVIL 201 – Elements of Strength in Materials: MATH 135 and PHYSC 101 are the prerequisites.		
	TECHNICAL ELECTIVES: Choose from ELEC, MATH, or MECH courses (9 credits): Electives include: DESIGN: ELEC 160 – Electronics, MECH 224 – CNC Programming, MECH 255 – Solidworks, TRANSFER: MATH 181 – Calculus 1, MATH 191 – Calculus 2, ELEC 160 – Electronics, PHYSC 102 – Tech Physics 2, PHYSC 165 – Principles of Energy, TECHNICAL: ELEC 160 – Electronics, MECH 224 – CNC Programming PRODUCT SERVICE: ELEC 160 – Electronics, MECH 224 – CNC Programming, MECH 255 – Solidworks, MECH 265 – CAD3 3D Modeling		
3□		3□	
3□			

SEEN BY:

Completed credits of 64 required

NOTES:

* Other substitutions by department approval.

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Academic Plan		Completed credits		of 64 required	
		Fall/Spring		Fall/Spring	
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>
		Fall/Spring		Fall/Spring	
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>