

AAS: Mechanical Technology

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

Academic Dean: TECH-106 Tel # (914) 606-6789 Email:

Developmental Courses as required based on placement scores

<input type="checkbox"/>	No Developmental Courses Required
<input type="checkbox"/>	ENG 91 Writing for College 1 – Score of 4 E Code 1 and below Choose an item.
<input type="checkbox"/>	ENG 92 Writing for College 2 – Score of 6 E Code 2 Choose an item.
<input type="checkbox"/>	ESL 94 Academic Writing 1 – Score of 5 or 6 E Code 6 Choose an item.
3 <input type="checkbox"/>	ESL 122 Academic Writing 2 – Score of 7 E Code 7 Choose an item.
<input type="checkbox"/>	MATH 92 Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below Choose an item.
OR <input type="checkbox"/>	MATH 93 Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below Choose an item.
	MATH 94 Foundations of Mathematical Reasoning – Arithmetic score 45 and above, Elementary Algebra 54 and below Choose an item.
<input type="checkbox"/>	READ 93 Foundation of College Reading – Score of 57 and below Choose an item.
3 <input type="checkbox"/>	READ 105 Analytical Reading – Score of 58 and higher Choose an item.

Core Requirements

3 <input type="checkbox"/>	ENG 101 – Writing and Research OR ENG 101H Choose an item.
3 <input type="checkbox"/>	ENG 102 – Writing and Literature OR ENG 102H Choose an item.
4 <input type="checkbox"/>	MATH 135 – College Algebra with Trigonometry or higher Choose an item.
4 <input type="checkbox"/>	MATH 161 – Pre-calculus or higher Choose an item.
4 <input type="checkbox"/>	PHSYC 101 - Technical Physics I (and Lab) ¹ or Choose an item.
	THE ARTS, FOREIGN LANGUAGE, or OTHER WORLD CIVILIZATIONS GENERAL ED REQUIREMENTS – Select a 3/4 credit course:
	ART 101, 102, 103, 104, 105, 106, 107, 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
	CHINS 102, FREN 101, 102, 201, ITAL 101, 102, 103, 201, 201H, 202, 202H, 250, SPAN 101, 102, 103, 104, 201, 201H, 202, 202H, 203, 204
	ANTHR 120, 210, 215H, HIS 119, 128, 129, 131, POLSC 113
3 <input type="checkbox"/> /4 <input type="checkbox"/>	
	AMERICAN HISTORY, WESTERN CIVILIZATION or SOCIAL SCIENCES GENERAL ED REQUIREMENTS – Select a 3 credit course:
	HIS 101, 102, 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, SOC 101, 101H, 102, 103, 104
	ART 108, 109, HIS 101, 102, 104, 106, 110, 111, 112, 121*, 133**, 134**, POLSC 102, 104, 107

¹ Technical Physics I & Lab - prerequisite **MATH 135**-College Algebra with Trigonometry.

	<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□	
	<p>PEC/PEH/PES: A combination of two courses (2 credits) either PEH and PES, or PEC and PES, or PEC or PEH, PEC and PEC. PEC 110 (2 credits) <i>IS THE ONLY COMBINATION COURSE THAT FULFILLS BOTH P.E. REQS.</i></p>
1□	

Degree Requirements			
3□	MECH 144 – Manufacturing 1: Offered in Fall Semester.	Choose an item.	
3□	MECH 162 – CAD 1	Choose an item.	
3□	MECH 163 – CAD 2	MECH 162 is the prerequisite.	Choose an item.
3□	ELECT 128 – Electrical Circuits:	MATH 93 or High School Algebra is the prerequisite.	Choose an item.
3□	MECH 120 – Mechanism:	MATH 135, MECH 162 and PHYSC 101 are the prerequisites.	Choose an item.
3□	MECH 127* – Introduction to Thermodynamics:	MATH 135 is the prerequisite. PHYSC 101 is a co-requisite.	Choose an item.
3□	MECH 145 – Manufacturing 2	MECH 144 is the prerequisite. Offered Spring Semester.	Choose an item.
3□	MECH 156 – Fluids:	MATH 135 and PHYSC 101 are the prerequisites. Offered Spring Semester.	Choose an item.
3□	MECH 289 – Manufacturing Processes:	Offered Spring Semester.	Choose an item.
3□	CIVIL 201 – Elements of Strength in Materials:	MATH 135 and PHYSC 101 are the prerequisites.	Choose an item.
	<p>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</p>		
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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>