

AAS: Mechanical Technology

Curriculum Chair: Professor Leonard Spina Location: TECH-104 Telephone: (914) 606-6942
 Email: Leonard.Spina@sunywcc.edu ADVISOR NAME:

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
<input type="checkbox"/>	ENG 92 Writing for College 2 – Score of 6 E Code 2
<input type="checkbox"/>	ESL 94 Academic Writing 1 – Score of 5 or 6 E Code 6
<input type="checkbox"/>	ESL 122 Academic Writing 2 (3 credits) – Score of 7 E Code 7
<input type="checkbox"/>	MATH 92 Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below
<input type="checkbox"/>	MATH 93 Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below OR MATH 94 Math Literacy – Arithmetic score 45 and above, Elementary Algebra 54 and below
<input type="checkbox"/>	READ 93 Foundation of College Reading – Score of 57 and below
<input type="checkbox"/>	READ 105 Analytical Reading (3 credits) – Score of 58 and higher

Core Requirements

<input type="checkbox"/>	ENG 101 – Writing and Research Choose an item.
<input type="checkbox"/>	ENG 102 – Writing and Literature Choose an item.
<input type="checkbox"/>	MATH 135 – College Algebra with Trigonometry Choose an item.
<input type="checkbox"/>	MATH 161 – Pre-calculus Choose an item.
<input type="checkbox"/>	PHSYC 101 - Technical Physics I (and Lab) ¹ Choose an item.
<input type="checkbox"/>	PHSYC 102 - Technical Physics 2 (and Lab) OR Choose an item.
	PHYS 165 – Principles of Energy Choose an item.
	CHOOSE A 3 CREDIT COURSE FROM 2 AREAS FOR A TOTAL OF 6 CREDITS. BEHAVIORAL SCIENCE: Courses include: Sociology (SOC), Psychology (PSYCH), Anthropology (ANTHR), Linguistics (ANTHR), and Geography (GEOG). <i>However SS 101 and SS 103 CANNOT BE USED TO FULFILL Behavioral Science.</i> OR HUMANITIES: Courses include: <ul style="list-style-type: none"> ▪ Art (ART) 101, 103, 105, 108, 108A, 108B, 109, 109A, 125, 128, 129, 133, 139, 185, or 265. Additional fees and/or supplies may be required of ART classes; see catalog for details. ▪ Communications (COMM) 101, 103, 109, or 115 ▪ Dance (DANCE) 101, 102, 105, 107, 121, 205, or 207 OR A combination of three 1 credit dance classes to be chosen from DANCE 112, 115, 120, or 122 ▪ English (ENG) any ENG course EXCEPT ENG 101, 101H, 102, 102H, 124, or 222 CANNOT BE USED TO FULFILL Humanities elective. ▪ Film (FILM) 100, 101, 102, 103, 109, 113, 114H, 115H, 125, 125H, 220, 220H ▪ Foreign Language to be chosen from: ARABC, CHINS, FREN, GER, ITAL, JAPNS, RUSSN, SPAN. ITAL 104 or ITAL 105 CANNOT BE USED TO FULFILL a Foreign Language elective, but CAN BE USED TO FULFILL a Humanities elective. ▪ Music (MUSIC) 100, 101, 102, 103, 111, 150, or 211

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

	<ul style="list-style-type: none"> ▪ Philosophy (PHIL) 101A, 102A, 111, 150, 160, or 201H ▪ Theater (THEAT) 101, 103, 111, 113, or 201 <p>THEAT 117A is a 2 credit course which must be combined with another 1 credit approved Humanities elective. OR</p> <p>SOCIAL SCIENCE: Courses include: History (HIS), Political Science (POLSC), Economics (ECON), and Geography (GEOG). <i>However SS 102 and SS 105 CANNOT BE USED TO FULFILL Social Science.</i></p>
3 <input type="checkbox"/> or 4 <input type="checkbox"/>	3 <input type="checkbox"/> or 4 <input type="checkbox"/>
	<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 COMBINIATION COURSE THAT FULFILLS BOTH P.E. REQS.</i></p>
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Degree Requirements	
<input type="checkbox"/>	MECH 144 – Manufacturing 1: Offered in Fall Semester. Choose an item.
<input type="checkbox"/>	MECH 162 – CAD 1 Choose an item.
<input type="checkbox"/>	MECH 163 – CAD 2 MECH 162 is the prerequisite. Choose an item.
<input type="checkbox"/>	ELECT 128 – Electrical Circuits: MATH 93 or High School Algebra is the prerequisite. Choose an item.
<input type="checkbox"/>	MECH 120 – Mechanism: MATH 135, MECH 162 and PHYSC 107 are the prerequisites. Choose an item.
<input type="checkbox"/>	MECH 127 – Introduction to Thermodynamics: MATH 135 is the prerequisite. PHYSC 111 is a co-requisite. Choose an item.
<input type="checkbox"/>	MECH 156 – Fluids: MATH 135 and PHYSC 101 are the prerequisites. MATH 165 is a co-requisite. Offered Spring Semester. Choose an item.
<input type="checkbox"/>	MECH 289 – Manufacturing Processes: Offered Spring Semester. Choose an item.
<input type="checkbox"/>	CIVIL 201 – Elements of Strength in Materials: MATH 135 and PHYSC 101 are the prerequisites. Choose an item.
<input type="checkbox"/>	TECHNICAL ELECTIVES: Choose from CIVIL, ELECT, MECH courses (9 credits)

Completed credits of 64 required

NOTES:

* Or approved substitute by Curriculum Chair

Academic Plan

Fall		Spring		Summer		
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Session</u>	<u>Credits</u>
Fall		Spring		Summer		
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Session</u>	<u>Credits</u>