

# AAS: Civil Technology

**Curriculum Chair:** Prof. Kyriakos Ioannou TECH-121 Tel # (914) 606-8561 Email: [Kyriakos.Ioannou@sunywcc.edu](mailto:Kyriakos.Ioannou@sunywcc.edu)

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

## Developmental Courses as required based on placement scores

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

## New General Education Requirements

3 <input type="checkbox"/>	<b>ENG 101</b> – Writing and Research <b>OR ENG 101H</b>
3 <input type="checkbox"/>	<b>ENG 102</b> – Writing and Literature <b>OR ENG 102H</b>
4 <input type="checkbox"/>	<b>MATH 135</b> – College Algebra with Trigonometry
4 <input type="checkbox"/>	<b>MATH 161</b> – Pre-calculus <b>MATH 135 is the prerequisite.</b>
4 <input type="checkbox"/>	<b>PHYSC 101</b> - Technical Physics I (and Lab) <b>MATH 135 is the prerequisite.</b>
	<p align="center"><b>THE ARTS, FOREIGN LANGUAGE, or OTHER WORLD CIVILIZATIONS GENERAL ED REQUIREMENTS – Choose a 3/4 credit course:</b></p> <p><b>ART</b> 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, <b>DANCE</b> 101, 102, 107, 112, 115, 120, 121, 205, 207, <b>FILM</b> 100, 101, 102, 130  <b>MUSIC</b> 110, 110H, 111, 120, 121, 130, 131, 132, 133, 150, 230, 231, 232, 233, <b>THEAT</b> 111, 113, 201  <b>ARABC</b> 101, 102, <b>CHINS</b> 102, <b>FREN</b> 101, 102, 201, <b>ITAL</b> 101, 102, 103, 201, 201H, 202, 202H, 250, <b>JAPNS</b> 101, 102, <b>RUSSN</b> 101, <b>SPAN</b> 101, 102, 103, 104, 201, 201H, 202, 202H, 203, 204, <b>ANTHR</b> 120, 210, 215H, <b>HIS</b> 107H, 119, 128, 129, 131, <b>POLSC</b> 113, <b>ENG</b> 227</p>
3 <input type="checkbox"/> /4 <input type="checkbox"/>	

	<p align="center"><b>AMERICAN HISTORY, WESTERN CIVILIZATION OR SOCIAL SCIENCE GENERAL ED REQUIREMENTS – Select a 3 credit course:</b></p> <p><b>ART 108, 109, HIS 101, 102, 104, 106, 110, 111, 112, 121*, 133**, 134**, POLSC 102, 104, 107, ANTHR 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</b></p> <p align="center"><i>*Students who complete this course cannot use HIS 133 or 134 to fulfill degree and/or general education requirements</i></p>
3 <input type="checkbox"/>	
	<b>PE:</b> One course (1 credit)
1 <input type="checkbox"/>	

<b>Degree Requirements</b>	
2 <input type="checkbox"/>	<b>CIVIL 101A</b> – Architectural Drawing:
3 <input type="checkbox"/>	<b>CIVIL 103</b> – Introduction to Technology:
3 <input type="checkbox"/>	<b>CIVIL 115</b> – Construction Methods and Materials:
3 <input type="checkbox"/>	<b>CIVIL 201</b> – Elements of Strength of Materials: <b>MATH 135 and PHYSC 101 are the prerequisites.</b>
3 <input type="checkbox"/>	<b>CIVIL 207</b> – Structures <b>CIVIL 201 is the pre or co-requisite. Offered Spring semester.</b>
3 <input type="checkbox"/>	<b>CIVIL 214</b> – Surveying 1: <b>MATH 135 is the prerequisite. Offered fall semester.</b>
3 <input type="checkbox"/>	<b>CIVIL 215</b> – Surveying 2: <b>CIVIL 214 is the prerequisite. Offered spring semester.</b>
2 <input type="checkbox"/>	<b>CIVIL 216</b> – Highway Design: <b>MATH 135 and CIVIL 214 are the prerequisites. Offered Spring semester.</b>
3 <input type="checkbox"/>	<b>CIVIL 222</b> – Construction Estimating <sup>1</sup> : <b>CIVIL 115 is the prerequisite. Offered spring semester.</b>
3 <input type="checkbox"/>	<b>CIVIL 230</b> – Environmental Problems & Controls and Lab
3 <input type="checkbox"/>	<b>CIVIL 231</b> – Construction Management and CPM: <b>CIVIL 115 is prerequisite. Offered Fall semester.</b>
2 <input type="checkbox"/>	<b>CIVIL 235</b> – Architectural Design: <b>CIVIL 101A is the prerequisite.</b>
3 <input type="checkbox"/>	<b>MECH 162</b> – CAD 1
	<b>TECH, SCIENCE OR MATH ELECTIVE: SELECT ONE</b> Math 181, 191, MECH 164, 267, PHYSC 102, 165
3/4 <input type="checkbox"/>	

SEEN BY:

Completed credits

of 64 required

<sup>1</sup> Approved substitutions include: **MECH 164**, or **MECH 267**. 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>
		MATH 135	4	MATH 161	4
		ENG 101	3	ENG 102	3
		CIVIL 103	3	PHYS 101	4
		CIVIL 101A	2	MECH 162	3
		CIVIL 115	3	CIVIL 222	3
Fall/Spring		Fall/Spring			
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>
		CIVIL 201	3	CIVIL 207	3
		CIVIL 214	3	CIVIL 215	3
		CIVIL 235	3	CIVIL 216	2
		CIVIL 231	3	CIVIL 230	3
		Arts/FL/OWC Gen Ed	3	Tech/Sci/Math Elective	4
				PE	1