

# Certificate: Computer Aided Drafting

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

Academic Dean: Dr. Kwesi Amoa TECH-106 Tel # (914) 606-6789 Email: [Kwesi.Amoa@sunywcc.edu](mailto:Kwesi.Amoa@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> Choose an item.
<input type="checkbox"/>	<b>ENG 92</b> Writing for College 2 – Score of 6 E Code 2, <b>30.02</b> Choose an item.
<input type="checkbox"/>	<b>ENG 99</b> Writing Studio (with linked section of ENG 101+) - Score of 6 E Code 2, <b>30.02</b>
<input type="checkbox"/>	<b>ESL 94</b> Academic Writing 1 – Score of 5 or 6 E Code 6, <b>20.01</b> .
<b>3</b> <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> Choose an
<b>OR</b> <input type="checkbox"/>	<b>MATH 93</b> Beginning Algebra – Arithmetic score 45 and above, Elementary Algebra 54 and below, <b>40.02</b> Choose an item.
	<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> Choose an item.
<b>3</b> <input type="checkbox"/>	<b>READ 105</b> Analytical Reading – Score of 58 and higher <b>11.01</b> Choose an item.

## Program of Study

<b>3</b> <input type="checkbox"/> / <b>4</b> <input type="checkbox"/>	<b>College-level math by placement (see below) – (3/4 credits)</b>		
	<b>MATH 135</b> – College Algebra with Trigonometry, <b>MATH 130</b> – College Algebra: Functions & Models or higher Choose an item.		
	<b>MATH 93</b> – Beginning Algebra ( <b>Non-credit</b> ) Choose an item.		
<b>3</b> <input type="checkbox"/>	<b>CIVIL 103</b> – Introduction to Technology Choose an item.		
<b>3</b> <input type="checkbox"/>	<b>CIVIL 101A</b> – Architectural Drawing Choose an item.		
<b>3</b> <input type="checkbox"/>	<b>MECH 162</b> – CAD 1 Choose an item.		
<b>3</b> <input type="checkbox"/>	<b>MECH 163</b> – CAD 2: <b>MECH 162 is the prerequisite.</b> Choose an item.		
<b>3</b> <input type="checkbox"/>	<b>MECH 265<sup>1</sup></b> – CAD 3 3D Modeling: <b>MECH 162 and 163 are the prerequisites.</b> Choose an item.		
<b>3</b> <input type="checkbox"/>	<b>CAD ELECTIVE: One course (3 credits).</b> Choose an item.		
	<b>TECHNICAL ELECTIVES: Select any two courses (6 credits).</b> <b>MECH 144</b> – Manufacturing 1 <b>ELEC 119</b> – Basic Electricity, <b>ELEC 128</b> – Electrical Circuits ( <b>MATH 93 or High School Algebra are the prerequisite</b> ), <b>MECH 289</b> – Manufacturing Process ( <b>Offered in Spring Semester</b> ) or <b>CIVIL 111</b> – Construction Methods and Materials and Lab. Choose an item. Choose an item.		
<b>3</b> <input type="checkbox"/>		<b>3</b> <input type="checkbox"/>	

SEEN BY:

Completed credits of 27 required

### NOTES:

Students who do not place into **ENG 101** – Writing and Research must complete a minimum of **READ 105** – Analytical Reading in order to earn this certificate.

<sup>1</sup> If a student needs to register for both **MECH 163**- CAD 2 and **MECH 265**- CAD 3D during the same semester prior approval of the curriculum chair is needed. **MECH 163**- CAD 2 is one of the pre-requisite for **MECH 265**- CAD 3D.

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Academic Plan		Completed credits of 27 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		Fall/Spring	
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>