

Certificate: Computer Aided Drafting

Curriculum Chair: Prof. Leonard Spina TECH-104 Tel # (914) 606-6942 Email: Leonard.Spina@sunywcc.edu

Associate Dean: Ted Nygreen TECH-106 Tel # (914) 606-6789 Email: Ted.Nygreen@sunywcc.edu

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
3 <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
3 <input type="checkbox"/>	READ 105 Analytical Reading (3 credits) – Score of 58 and higher

Program of Study

3 <input type="checkbox"/> / 4 <input type="checkbox"/>	College-level math by placement (see below) – (3/4 credits) MATH 135 – College Algebra with Trigonometry, MATH 130 – College Algebra: Functions & Models or higher Choose an item. MATH 93 – Beginning Algebra (Non-credit) Choose an item.		
3 <input type="checkbox"/>	CIVIL 103 – Introduction to Technology	Choose an item.	
3 <input type="checkbox"/>	CIVIL 101A – Architectural Drawing	Choose an item.	
3 <input type="checkbox"/>	MECH 162 – CAD 1	Choose an item.	
3 <input type="checkbox"/>	MECH 163 – CAD 2: MECH 162 is the prerequisite.	Choose an item.	
3 <input type="checkbox"/>	MECH 265¹ – CAD 3 3D Modeling: MECH 162 and 163 are the prerequisites.	Choose an item.	
3 <input type="checkbox"/>	CAD ELECTIVE: One course (3 credits). Choose an item.		
	TECHNICAL ELECTIVES: Select any two courses (6 credits). MECH 144 – Manufacturing 1 ELEC 119 – Basic Electricity, ELEC 128 – Electrical Circuits (MATH 93 or High School Algebra are the prerequisite), MECH 289 – Manufacturing Process (Offered in Spring Semester) or CIVIL 111 – Construction Methods and Materials and Lab. Choose an item. Choose an item.		
3 <input type="checkbox"/>		3 <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.

¹ 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			
<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>	<u>Class</u>	<u>Credits</u>