

# AAS: Networking

**Curriculum Chair:** Prof. William Widulski TECH-101A Tel # (914) 606-6235 Email: [William.Widulski@sunywcc.edu](mailto:William.Widulski@sunywcc.edu)  
**Academic Dean:** TECH-106 Tel # (914) 606-6789 Email:

## Developmental Courses as required based on placement scores

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

## Core Requirements

3 <input type="checkbox"/>	<b>ENG 101</b> – Writing and Research <b>OR ENG 101H</b> Choose an item.
3 <input type="checkbox"/>	<b>ENG 102</b> – Writing and Literature <b>OR ENG 102H</b> Choose an item.
4 <input type="checkbox"/>	<b>MATH 161</b> – Pre-calculus Choose an item.
4 <input type="checkbox"/>	<b>MATH 181</b> – Calculus 1 Choose an item.
	<b>NATURAL SCIENCE GENERAL ED REQUIREMENTS – Select a 4 credit LAB course:</b> <b>BIOL</b> 101, 103, 115, 115H, 117, 117H, 121, 123, <b>CHEM</b> 107, 111, 113, 117, 201, 205, <b>PHYSC</b> 101, 111, 112, 121, 122, 129 143, 143H, 151, 292
4 <input type="checkbox"/>	
	<b>SOCIAL SCIENCES GENERAL ED REQUIREMENTS – Select a 3 credit course:</b> <b>ANTHR</b> 101, 102, 103, 201, <b>CJ</b> 111, <b>ECON</b> 101, 101H, 102, 102H, <b>GEOG</b> 101, <b>HSERV</b> 102, 200, <b>LIN</b> 201, <b>POLSC</b> 111, 111H, 115, <b>PSYCH</b> 101, 101H, 103, 103H, 107, 109, 110, 111, 112H, <b>SOC</b> 101, 101H, 102, 103, 104
3 <input type="checkbox"/>	
	<b>THE ARTS, FOREIGN LANGUAGE, or OTHER WORLD CIVILIZATIONS GENERAL ED REQUIREMENTS – Select a 3/4 credit course:</b> <b>ART</b> 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, <b>DANCE</b> 101, 102, 107, 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>CHINS</b> 102, <b>FREN</b> 101, 102, 201, <b>ITAL</b> 101, 102, 103, 201, 201H, 202, 202H, 250, <b>SPAN</b> 101, 102, 103, 104, 201, 201H, 202, 202H, 203, 204 <b>ANTHR</b> 120, 210, 215H, <b>HIS</b> 119, 128, 129, 131, <b>POLSC</b> 113
3 <input type="checkbox"/> /4 <input type="checkbox"/>	

	<b>AMERICAN HISTORY or WESTERN CIVILIZATION GENERAL ED REQUIREMENTS – Select a 3 credit course:</b> <b>ART 108, 109, HIS 101, 102, 104, 106, 110, 111, 112, 121*, 133**, 134**, POLSC 102, 104, 107</b> <i>*Students who complete this course cannot use HIS 133 or 134 to fulfill degree and/or general education requirements</i> <i>**Students who complete this course cannot use HIS 121 to fulfill degree and/or general education requirements</i>
3□	

### Degree Requirements

4□	<b>COMSC 101 – Computer Programming 1: Prerequisite: Placement Reading score of 80 or above or passing READ 105 and MATH 181 is co-requisite.</b> Choose an item.		
3□	<b>COMSC 106 – IT Essential</b> Choose an item.		
3□	<b>COMSC 116 – LINUX Operating System: COMSC 101 is the prerequisite.</b> Choose an item.		
4□	<b>COMSC 118 – Intro to Networks (CCNA1): Prerequisites: Students must demonstrate readiness for Analytical Reading and college-level mathematics by attaining appropriate scores on the Placement Exam, or by attaining passing grades in the appropriate developmental courses, or by completion of previous college-level mathematics or English courses. Some previous computer use (for email, Internet or word processing) is necessary.</b> Choose an item.		
4□	<b>COMSC 124 – R&amp;S Essentials (CCNA2): COMSC 118 is the prerequisite.</b> Choose an item.		
4□	<b>COMSC 128 – Scaling Networks (CCNA3): COMSC 124 is the prerequisite.</b> Choose an item.		
4□	<b>COMSC 132 – Connecting Networks (CCNA4): COMSC 128 is the prerequisite.</b> Choose an item.		
3□	<b>COMSC 134 – Network Administration: COMSC 128 is the prerequisite.</b> Choose an item.		
	<b>ELECTIVES: Select courses from list below (8 credits)</b>		
3□/4□		3□/4□	
3□/4□			

SEEN BY:

Completed credits of 64 required

### Select Concentration Electives from Computer Science:

COMSC 110-Computer Programming II  
 COMSC 123-Home Technology Integration  
 COMSC 138-Remote Access  
 COMSC 207-Java Programming  
 COMSC 217-Computer Architecture

COMSC 120-Internship in Computer Science  
 COMSC 130-Voice Over IP  
 COMSC 142-Network Security (CS)  
 COMSC 208A-GUI Development

COMSC 121-IT Essentials 2: NOS  
 COMSC 136-Ad Routing Configuration  
 COMSC 201A-Data Structures  
 COMSC 214-Web Programming

### Electrical Technology:

ELEC 128-Electrical Circuits  
 CIS: CIS 150-Internet Technologies  
 CIS 270-Computer Forensics

ELEC 208-Computer Systems  
 CIS 235-Server Administration

ELEC 261-Computer Diagnostics  
 CIS 245-Computer Penetration

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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>