

AS: Computer Science

Curriculum Chair: Professor Dennis Ramos Location: TECH-30 Telephone: (914) 606-6085

Email: Dennis.Ramos@sunywcc.edu ADVISOR NAME:

Developmental Courses as required based on placement scores
No Developmental Courses Required
ENG 91 Writing for College 1 – Score of 4 E Code 1 and below
ENG 92 Writing for College 2 – Score of 6 E Code 2
ESL 94 Academic Writing 1 – Score of 5 or 6 E Code 6
ESL 122 Academic Writing 2 (3 credits) – Score of 7 E Code 7
MATH 92 Pre-Algebra – Arithmetic score 44 and below, Elementary Algebra 54 and below
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
READ 93 Foundation of College Reading – Score of 57 and below
READ 105 Analytical Reading (3 credits) – Score of 58 and higher
Core Requirements
ENG 101 – Writing and Research
ENG 102 – Writing and Literature
MATH 181 – Calculus 1 Computer Science Math Requirements include MATH 181, MATH 191 and MATH 178. Students who need to take the prerequisite courses for these required courses, (MATH 135 and MATH 161), must start taking these prerequisites in the first semester. While students may need to take MATH 135 and MATH 161, they will not be applied toward the degree. Computer Science students who need to take College Algebra, must take MATH 135-College Algebra with Trigonometry. After MATH 135, students must take MATH 161-Pre-calculus. For more information contact the Curriculum Chair.
MATH 191 – Calculus 2
SCIENCE (BIOL), (CHEM), (PHYSC): Science courses must be taken as a pair from the following specified list of courses (8 to 10 credits) PHYSC 121/122-Engineering Physics I & II w/Lab, PHYSC 111/112-College Physics I & II w/Lab, BIOL 115/117-General Biology I & II w/Lab, BIOL 121/123-Anatomy & Physiology I & II w/Lab, CHEM 107/111-Inorganic Chemistry I & II w/Lab, or CHEM 201/205-Organic Chemistry I & II w/Lab.
 HUMANITIES: One course (3 credits) Courses include: 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



 Philosophy (PHIL) 101A, 102A, 111, 150, 160, or 201H Theater (THEAT) 101, 103, 111, 113, or 201 THEAT 117A is a 2 credit course which must be combined with another 1 credit approved Humanities 		
elective.		
SOCIAL SCIENCE: One course (3 credits) Courses include: History (HIS), Political Science (POLSC), Economics (ECON), and Geography (GEOG). However SS 102 and SS 105 CANNOT BE USED TO FULFILL Social Science.		
BEHAVORIAL SCIENCE: One course (3 credits) Courses include: Sociology (SOC), Psychology (PSYCH), Anthropology (ANTHR), Linguistics (ANTHR), and Geography (GEOG). However SS 101 and SS 103 CANNOT BE USED TO FULFILL Behavioral Science.		
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) IS THE ONLY COMBINIATION COURSE THAT FULFILLS BOTH P.E. REQS.		
Degree Requirements		
COMSC 101 – Computer Programming 1: Prerequisite: Placement Reading score of 80 or above or		
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<u>COMSC 101-Computer Programming I:</u> The <u>Co requisite</u> for <u>COMSC 101</u> is <u>MATH 135</u> or <u>MATH 161</u> or <u>MATH 181</u> or <u>MATH 191</u>. The <u>Prerequisite</u> for <u>COMSC 101</u> is a Reading Placement score >= 80 or a passing grade in <u>READ 105</u>.

COMSC 100-Intro to Computing Concepts: Students who need to take developmental courses, and so are ineligible to take COMSC 101, should take COMSC 100. It is a good alternative for students who are trying to decide between CS, CIS, Networking, or Computer Arts. Students who have never used a computer, not even for email, the internet or word processing should also take this course before taking COMSC 101.