Westchester Community College
State University of New York

AAS: Computer Information Systems

Curriculum Chair: Professor Denise Sullivan Location: CLA-47 Telephone: (914) 606-6988
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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 Choose an item.
☐	**ENG 102** – Writing and Literature Choose an item.
☐	**MATHEMATICS¹ (MATH): One course (3/4 credits)**
3☐ / 4☐	
☐	**SCIENCE (BIOL), (CHEM), (PHYSC): One course with/without Lab (3/4 credits)**
3☐ / 4☐	
☐	**MATHEMATICS/ SCIENCE ELECTIVE: One MATH course (3/4 credits) or one Science course (BIOL), (CHEM), (PHYSC): with/without Lab (3/4 credits)**
3☐ / 4☐	
☐	**BEHAVORIAL SCIENCE: Choose a 3 credit course from 2 areas for a total of 6 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.* **OR** **HUMANITIES:** **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 A combination of three 1 credit dance classes to be chosen from **DANCE** 112, 115, 120, or 122 ▪ English (**ENG**) any **ENG** course **EXCEPT** ENG 101, 101H, 102, 102H, 124, or 222 CANNOT BE USED TO FULFILL Humanities elective. ▪ Film (**FILM**) 100, 101, 102, 103, 109, 113, 114H, 115H, 125, 125H, 220, 220H ▪ Foreign Language to be chosen from: **ARABC, CHINS, FREN, GER, ITAL, JAPNS, RUSSN, SPAN. ITAL 104** or **ITAL 105** CANNOT BE USED TO FULFILL a Foreign Language elective, but CAN BE USED TO FULFILL a Humanities elective. ▪ Music (**MUSIC**) 100, 101, 102, 103, 111, 150, or 211 ▪ Philosophy (**PHIL**) 101A, 102A, 111, 150, 160, or 201H

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¹ **MATH 130**-College Algebra Functions and Models, **MATH 135**-College Algebra with Trigonometry, **MATH 140**-Statistics, or **MATH 181**-Calculus for Business are recommended.

	▪ 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. **OR** **SOCIAL SCIENCE:** **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.*		
3☐ / 4☐		3☐ / 4☐	
☐	**LIBERAL ARTS: (3 credits)** *Liberal Arts Elective* courses include: Behavioral Science (see above), English/Communications (see above), Humanities (see course catalog for details), Inter-studies course **INTER** (see curriculum chair), Mathematics (**MATH**) credit-bearing course, **Science BIOL, CHEM, PHYSC**, and Social Science (see above)		
3☐ / 4☐			
☐	**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.*		
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Degree Requirements

☐	**CIS 110 –** Computer Information Systems Choose an item.
☐	**CIS 120** – Object Orient Programming Logic[2] Choose an item.
☐	**CIS 220** – Visual Basic for Business: **CIS 120 is the prerequisite.** Choose an item.
☐	**CIS 225** – Database Management Systems: **CIS 110 is the prerequisite.** Choose an item.
☐	**CIS 135** – PC Operating Systems: **CIS 110 is the prerequisite.** Choose an item.
☐	**CIS 140** – Networking for Business: **CIS 110 is the prerequisite.** Choose an item.
☐	**CIS 155** – Principles of Security/Forensics: **CIS 110 is the prerequisite.** Choose an item.
☐	**CIS 260** – Systems Analysis/Design: **CIS 225 is the prerequisite.** Choose an item.
☐	**ACC 119** – Financial Accounting Choose an item.
☐	**ACC 120** – Managerial Accounting: **ACC 119 is the prerequisite.** Choose an item.
☐	**OFTEC 240** – Business Communication Choose an item.
☐	**MGT 101** – Business Organization and Management Choose an item.

Completed credits   of 64 required

Students who select Computer Information Systems as their major are strongly advised to choose the highest level of math so that they will be adequately prepared for the field and for transferring to continue their education. Finite Math, Algebra with Trigonometry, Pre-Calculus and Statistics are all desirable courses for a CIS major. Schedule CIS courses first. Schedule CORE courses around CIS courses.

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[2] **CIS 101**-Computer Information Systems and **CIS 120**-Object Oriented Programming Logic are co-requisites or **CIS 110**-Computer Information System should be taken first.