

Western Connecticut State University Degree Works

Student		College		Hold	
ID		School		Athletics	
Classification		Degree	BA Applied Computing	Housing Status	
Advisor		Major		Full-Time/Part-Time	
Overall GPA		Concentration		Catalog Term	FALL 2018
		Minor		FERPA Indicator	

Legend

<input checked="" type="checkbox"/> Complete	<input checked="" type="checkbox"/> Complete except for classes in-progress	(TR) Transfer Class
<input type="checkbox"/> Not Complete	<input type="checkbox"/> See Advisor - Nearly Complete	@ Any course number
IP In-Progress Course		

BA in Applied Computing - 120 Credits Req

Unmet conditions for this set of requirements: You currently have 0 credits, including in progress classes. In some cases not all credits may be applicable toward your program requirements.

- Minimum credits at WCSU A minimum of 30 credits must be taken at WCSU.
- A minimum cumulative GPA of 2.0 is required When your first term is graded, your cumulative GPA will be calculated. If your cumulative GPA falls below 2.0 it is important to see an advisor to make plans for raising your GPA.
- Foreign Language Requirement See **Foreign Language Requirement** section
- General Education Competency Requirements See **General Education Competency Requirements** section
- General Education Course Requirements See **General Education Course Req. Including Cognates** section
- Major Requirements See **Major in Applied Computing** section
- General Electives See **General Electives - Applied Computing** section

Foreign Language Requirement

Foreign Language Requirement Complete a foreign language at an elementary II level or above. Students who have completed three years of language in high school with at least a 'C' average have satisfied this requirement. Consult your advisor.

General Education Competency Requirements

Unmet conditions for this set of requirements: Students must complete each of the competencies listed below. In addition, students must complete 3 of the competencies a second time excluding First Year (FY) and WRT 101 (WI).

- General Education Competencies
- Creative Process (CP) 1 to 2 Classes

<input type="checkbox"/>	Critical Thinking (CT)	1 to 2 Classes
<input type="checkbox"/>	Oral Communication (OC)	1 to 2 Classes
<input type="checkbox"/>	Health and Wellness (HW)	1 to 2 Classes
<input type="checkbox"/>	Scientific Inquiry (SI)	1 to 2 Classes
<input type="checkbox"/>	Intercultural Competence (IC)	1 to 2 Classes
<input type="checkbox"/>	Information Literacy (IL)	1 to 2 Classes
<input type="checkbox"/>	First Year Experience (FY)	1 Class in
<input type="checkbox"/>	Culminating Experience (CE)	1 to 2 Classes
<input type="checkbox"/>	Writing Course (WRT 101)	WRT 101
<input type="checkbox"/>	Writing Intensive II (W2)	1 to 2 Classes
<input type="checkbox"/>	Writing Intensive III (W3)	1 to 2 Classes
<input type="checkbox"/>	Quantitative Reasoning (QR)	1 to 2 Classes

General Education Course Req. Including Cognates

Unmet conditions for this set of requirements: 40 credits are required.

<input type="checkbox"/>	WRITING COURSE (3 S.H.)	WRT 101
<input type="checkbox"/>	COMPUTER SCIENCE COGNATE REQUIREMENTS (12 - 15 S.H.)	
<input type="checkbox"/>	Ethics in Computing	PHI 226
<input type="checkbox"/>	MAT 181 or MAT 170 and MAT 171	Choose from 1 of the following:
<input type="checkbox"/>	Calculus I	MAT 181*
<input type="checkbox"/>	Calculus with pre-calculus	MAT 170* and 171*
<input type="checkbox"/>	Lab Science Sequence	Choose from 1 of the following:
<input type="checkbox"/>	General Physics (Calculus) I & II	PHY 110* and 111*
<input type="checkbox"/>	General Physics I & II	PHY 120* and 121*
<input type="checkbox"/>	General Chemistry I & II	CHE 110 and 111*
<input type="checkbox"/>	General Biology I & II	BIO 103* and 104*
<input type="checkbox"/>	22 - 25 CREDITS IN CLASSES OUTSIDE MAJOR	

Major in Applied Computing

Unmet conditions for this set of requirements: 47-49 credits are required.

<input type="checkbox"/>	Minimum 2.5 major GPA	
<input type="checkbox"/>	Minimum credits at WCSU	A minimum of 25 credits must be taken at WCSU.

<input type="checkbox"/>	Introduction to Programming	CS 140* or 143
<input type="checkbox"/>	Language C++	CS 170*
<input type="checkbox"/>	Data Modeling & Database Design	CS 205
<input type="checkbox"/>	Computer Architecture	CS 215*
<input type="checkbox"/>	Object Oriented Programming and Data Structures	CS 221*
<input type="checkbox"/>	Computer Organization & Software	CS 240
<input type="checkbox"/>	Software Engineering Elective	CS 305* or 350* or 360*
<input type="checkbox"/>	Operating Systems	CS 450*
<input type="checkbox"/>	Elementary Statistics or Introductory Statistics	MAT 120* or 222*
<input type="checkbox"/>	Foundational Discrete Mathematics	MAT 141*
<input type="checkbox"/>	APPLIED COMPUTER OPTIONS	Choose from 1 of the following Options
<input type="checkbox"/>	<u>Computer Security</u>	
<input type="checkbox"/>	Introduction to Cryptology	MAT 127*
<input type="checkbox"/>	Information Systems Security	MIS 341*
<input type="checkbox"/>	Computer Security Implementaion with Java	CS 265*
<input type="checkbox"/>	<u>Digital Media</u>	
<input type="checkbox"/>	Linear Algebra	MAT 272*
<input type="checkbox"/>	Digital Media	CS 235*
<input type="checkbox"/>	Computer Animation	CS 340*
<input type="checkbox"/>	<u>Software Engineering</u>	
<input type="checkbox"/>	Introduction to Unix	CS 166*
<input type="checkbox"/>	Select Two of the following Options:	
<input type="checkbox"/>	CS 305, 350, 360	CS 305* or 350* or 360*
<input type="checkbox"/>	Advanced Topics in Programming Using Java	CS 250*
<input type="checkbox"/>	Web Applications Development	CS 245

General Electives - Applied Computing

General Elective Requirements 31-33 credits

Notes: