

Western Connecticut State University Degree Works

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

Legend

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

BA in Applied Computing - 120 Credits Req

Unmet conditions for this set of requirements:

- Minimum credits at WCSU A minimum of 30 credits must be taken at WCSU.
- A minimum cumulative GPA of 2.0 is required
- 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

<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
<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 (15 S.H.)	
<input type="checkbox"/>	Ethics in Computing	PHI 227
<input type="checkbox"/>	MAT 181; or MAT 170 and MAT 171; - Choose from one 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 one of the following sequences	
<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 CREDITS IN CLASSES OUTSIDE MAJOR	

Major in Applied Computing

Unmet conditions for this set of requirements: 49-51 credits are required.

- Minimum 2.5 major GPA
- 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* , 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"/>	12 Credits Computer Science Electives	

General Electives - Applied Computing

General Elective Requirements 29-31 credits are required. You may use electives to fulfill any or all of the concentrations below.

Applied Computing Concentrations

COMPUTER SECURITY You must complete all of the following:

Introduction to Cryptology **MAT 127***

Information Systems Security **MIS 341***

Computer Security Implementaion with Java **CS 265***

DIGITAL MEDIA You must complete all of the following:

Linear Algebra **MAT 272***

Digital Media **CS 235***

Computer Animation **CS 340***

SOFTWARE ENGINERRING You must complete all of the following:

Introduction to Unix **CS 166***

Select Two of the following Options Choose from 2 of the following:

CS 305, 350, 360 **CS 305*, 350*, or 360***

Advanced Topics in Programming Using Java **CS 250***

Web Applications Development **CS 245***

Notes