

Western Connecticut State University Degree Works

Student		College		Hold	
ID		School		Athletics	
Classification		Degree	BS Computer Science	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 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		

BS in Computer Science Overview - 120 Credits

Unmet conditions for this set of requirements: 120 credits are required.

- 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 Computer Science** section
- General Electives See **General Electives - Computer Science** 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
- 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 (12 - 15 S.H.)	
<input type="checkbox"/>	MAT 181 or MAT 170 and MAT 171. Select from 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. Select from the following:	
<input type="checkbox"/>	General Physics (Calculus) I & II or	(PHY 110* and 111*)
<input type="checkbox"/>	General Physics I & II or	(PHY 120* and 121*)
<input type="checkbox"/>	General Chemistry I & II or	(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 Computer Science

Unmet conditions for this set of requirements: 59 credits are required.

<input type="checkbox"/>	Minimum 2.5 major GPA	
<input type="checkbox"/>	Minimum credits at WCSU	A minimum of 30 credits must be taken at WCSU.
<input type="checkbox"/>	Language C++	CS 170*
<input type="checkbox"/>	Object Oriented Programming and Data Structures	CS 221*
<input type="checkbox"/>	Data Modeling & Database Design	CS 205

<input type="checkbox"/>	Computer Architecture	CS 215*
<input type="checkbox"/>	Computer Organization & Software	CS 240
<input type="checkbox"/>	Software Engineering Elective	CS 305* or 350* or 360*
<input type="checkbox"/>	Design and Analysis of Algorithms	CS 315*
<input type="checkbox"/>	Programming Languages	CS 355
<input type="checkbox"/>	Operating Systems	CS 450*
<input type="checkbox"/>	Introductory Statistics	MAT 222*
<input type="checkbox"/>	Foundational Discrete Mathematics	MAT 141*
<input type="checkbox"/>	Discrete Mathematics for Computer Science	MAT 304*
<input type="checkbox"/>	Introduction to Theory of Computation	CS 359* or MAT 359*
<input type="checkbox"/>	12 Credits in CS 235*, 345, 250*, 270*, 285*, 297, 298, 299, 305*, 330*, 340*, 350*, 351*, 360*, 385, 399*, 410*, 444*, 484*, MAT 182*, 272* or 356*	
<input type="checkbox"/>	General Electives - Computer Science	
<input type="checkbox"/>	Intro to Programming or Visual Basic	CS 140* or 143
<input type="checkbox"/>	18 - 19 General Elective Credits	

Notes: