

Western Connecticut State University Degree Works

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|-----------------------|------------------------------------|----------------------------|
| 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 |

Degree Progress



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 | | |

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. You have 0 but still need 30 credits.
- 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

| | | |
|--------------------------|-------------------------------|----------------|
| <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. You currently have 0, you still need 40 more credits.

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|--------------------------|---|-------------------|
| <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 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 - 25 CREDITS IN CLASSES OUTSIDE MAJOR | |

Major in Applied Computing GPA: 0.000

Unmet conditions for this set of requirements: 37-38 credits are required. You currently have 0, you still need 37 more credits.

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|--------------------------|-------------------------|--|
| <input type="checkbox"/> | Minimum 2.5 major GPA | Your major GPA is 0.00; a GPA of 2.5 is required |
| <input type="checkbox"/> | Minimum credits at WCSU | A minimum of 19 credits must be taken at WCSU. You have 0 but still need 19 credits. |

| | | |
|--------------------------|--|-------------------------|
| <input type="checkbox"/> | Introduction fo 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* |

General Electives - Applied Computing

General Elective Requirements 42-43 credits are required. You currently have 0, you still need 42 more credits. 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*

Disclaimer

Students must complete change of major form to officially change majors: <http://www.wcsu.edu/registrar/changemajor.pdf>