

# Western Connecticut State University Degree Works

<b>Student</b>		<b>College</b>		<b>Hold</b>	
<b>ID</b>		<b>School</b>		<b>Athletics</b>	
<b>Classification</b>		<b>Degree</b>	BA Mathematics	<b>Housing Status</b>	
<b>Advisor</b>		<b>Major</b>		<b>Full-Time/Part-Time</b>	
<b>Overall GPA</b>		<b>Concentration</b>		<b>Catalog Term</b>	FALL 2017
		<b>Minor</b>		<b>FERPA Indicator</b>	

## 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 Mathematics 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 Mathematics** section
- General Electives See **General Electives** 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"/>	Quantative 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"/>	MATHEMATICS COGNATE REQUIREMENTS (11 - 12 S.H.)	
<input type="checkbox"/>	8 cr. Lab Science Requirement (BIO 103 & 104; CHE 110 & 111; ECO 211 & 213; PHY 110 & 111)	
<input type="checkbox"/>	Intro to Prog or Visual Basic	CS 140* or 143
<input type="checkbox"/>	25 - 26 CREDITS IN CLASSES OUTSIDE MAJOR	

**Major in Mathematics**

**Unmet conditions for this set of requirements:** 45 credits are required.

<input type="checkbox"/>	Minimum 2.0 major GPA	
<input type="checkbox"/>	Minimum credits at WCSU	A minimum of 23 credits must be taken at WCSU.
<input type="checkbox"/>	MATHEMATICS MAJOR CORE	
<input type="checkbox"/>	Mathematics Seminar I	MAT 150*
<input type="checkbox"/>	Mathematics Seminar II	MAT 151
<input type="checkbox"/>	Calculus II (C or better)	MAT 182*
<input type="checkbox"/>	Proofs (C or better)	MAT 207*
<input type="checkbox"/>	Introduction to Linear Algebra (C or better)	MAT 272*
<input type="checkbox"/>	Calculus III (C or better)	MAT 281*
<input type="checkbox"/>	Algebraic Structures (C or better)	MAT 375*
<input type="checkbox"/>	Senior Seminar Experience	MAT 453

<input type="checkbox"/>	GENERAL MATH OPTION	
<input type="checkbox"/>	Foundational Discrete Mathematics (C or better)	<b>MAT 141*</b>
<input type="checkbox"/>	Mathematics with Sympolic Computation	<b>MAT 185*</b>
<input type="checkbox"/>	Introductory Statistics	<b>MAT 222*</b>
<input type="checkbox"/>	Differential Equations	<b>MAT 282*</b>
<input type="checkbox"/>	Introduction to Applied Mathematics (C or better)	<b>MAT 332*</b>
<input type="checkbox"/>	Introduction to Mathematical Analysis (C or better)	<b>MAT 383*</b>
<input type="checkbox"/>	Topics Sequence Elective	<b>MAT 467</b>
<input type="checkbox"/>	Department Approved Elective	<b>MAT 250* or 251* or 298 or 299 or 342* or 351 or 359* or 363*</b>

**General Electives**

<input type="checkbox"/>	MAT 181 or MAT 170 and MAT 171	Choose from 1 of the following:
<input type="checkbox"/>	Calculus I	<b>MAT 181*</b>
<input type="checkbox"/>	Calculus with pre-calculus	<b>MAT 170* and 171*</b>
<input type="checkbox"/>	Math General Electives 28 - 31 Credits	

**Notes:**