

MATHEMATICS SECONDARY EDUCATION



An opportunity to gain an associate degree from Delaware Tech and a bachelor's degree from Delaware State University.

YOUR PATH TO A BACHELOR'S DEGREE

Delaware Tech has established agreements with four-year colleges and universities that connect Delaware Tech associate degree programs with bachelor's degree programs to create smooth transfer opportunities for you. These Connected Degree programs enable you to complete your associate degree transfer as a junior.

THE CONNECTED DEGREE 2 + 2 CURRICULUM

Delaware Tech's associate degree program in Mathematics Secondary Education offers a curriculum that has rigorous preparation in mathematics and develops competencies in proven instructional strategies. The student will be prepared to transfer to a baccalaureate degree program that leads to a teaching career in middle or high school mathematics.

The Bachelor of Science degree in Mathematics Education at Delaware State University seeks to provide the student with a course of study directed toward an understanding of mathematical theory and its relation to other fields of study. This study includes an emphasis on precision of definition, reasoning to precise conclusions, and an analysis and solution of problems using mathematical principles. Students in this NCATE-accredited program are prepared for careers teaching secondary school mathematics and to pursue graduate study.

VALUE FOR YOU

By completing your associate degree at Delaware Tech, you'll receive excellent instruction in small classes at a campus close to home. Delaware Tech's affordable tuition can reduce the overall cost of your college education, making the completion of your bachelor's degree more manageable.

MAKING THE CONNECTION

Refer to the Connected Degree curriculum (on the reverse side of this page) for the sequence of courses needed to complete this program. Call Delaware Tech and let us help you follow the path to your bachelor's degree.



CONNECTED DEGREE CURRICULUM

Suggested Course Sequence

ASSOCIATE DEGREE Mathematics Secondary Education				BACHELOR'S DEGREE Mathematics Education				
<u>DELAWARE TECHNICAL & COMMUNITY COLLEGE</u>				CR	<u>DELAWARE STATE UNIVERSITY</u>			CR
FIRST SEMESTER (FALL)					FIFTH SEMESTER (FALL)			
CIS	107	Intro to Computers/Applications		3	xx-xxx	Foreign Language II		3
ENG	121	Composition		3	01-201/205	Literature I		3
HIS	111	U.S. History: Pre-Civil War		3	25-203	College Geometry		3
MAT	281	Calculus I		4	25-241	Statistics		3
PSY	121	General Psychology		3	12-204	Philosophical Foundations of Ed.		3
					35-261	Computer Science I		4
				16				19
SECOND SEMESTER (SPRING)					SIXTH SEMESTER (SPRING)			
HIS	112	U.S. History: Post-Civil War		3	12-318	Multicultural Education/Global Societies		3
MAT	282	Calculus II		4				
PHY	281	Physics I with Calculus		4	01-202/206	Literature II		3
ECE	233*	Exceptional Child		3	25-341	Probability		3
ENG	122*	Technical Writing/Communication		3	26-202	General Physics II		4
					16-100	Fitness & Wellness		2
					12-322	Teaching Reading in the Secondary School		3
				17				18
THIRD SEMESTER (FALL)					SEVENTH SEMESTER (FALL)			
ETC	212	Internet Literacy		3	12-416	Analysis of Student Teaching		1
MAT	283	Calculus III		4	25-491	History of Mathematics		3
MAT	263	Principles of Discrete Math		4	25-411	Algebraic Structures I		3
SPA	136	Spanish Communication I		4	25-403	Methods of Teaching Secondary Math		3
					12-357	Effective Teaching Skills and Classroom Management		4
				15				14
FOURTH SEMESTER (SPRING)					EIGHTH SEMESTER (SPRING)			
EDC	260	Educational Psychology		3	12-412**	Pre-Service Teaching		12
ENG	124*	Oral Communications		3				
MAT	210	Problem Solving Strategies		1				
MAT	288	Linear Algebra		4				
MAT	291	Ordinary Differential Equations		4				
				15				

- Course offerings by semester may vary. Students must contact their advisor.
- RDG 120, Critical Reading and Thinking, will be a required DTCC course unless the student is exempt.
- Passage of the PRAXIS I is required for admission to the DSU Teacher Education Program.
- *Students should take this course for DSU transfer.
- **Senior Capstone Course.

For more information, contact:

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This articulation agreement is subject to change based on Delaware Tech and senior institution curriculum.

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