



MATHEMATICS SECONDARY EDUCATION

Delaware Technical & Community College • www.dtcc.edu/connecteddegree



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

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 University of Delaware's Bachelor of Arts degree in Mathematics Education prepares students for careers teaching secondary school mathematics. Bachelor's degree graduates may also consider studies at the graduate level. Graduates of this AAT/BA partnership will be certified to teach.

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		
DELAWARE TECHNICAL & COMMUNITY COLLEGE*			UNIVERSITY OF DELAWARE*		
CLASS	FIRST SEMESTER (fall)	CREDITS	CLASS	FIFTH SEMESTER (fall)	CREDITS
ENG121	Composition	3	MATH245	An Intro to Proof	3
HIS111	U.S. History: Pre-Civil War	3	MATH350	Prob. Theory Simulation Methods	3
MAT281	Calculus I	4		Group A course**	3
PSY121	General Psychology	3		Foreign Language course**	4
CIS107	Intro to Computer & Applications	3		Group A course**	3
		16			16
	SECOND SEMESTER (spring)			SIXTH SEMESTER (winter)	
HIS112	U.S. History: Post Civil War	3	CISC105	General Computer Science OR	3
MAT282	Calculus II	4	CIS181	Intro to Computer Science	3
PHY281	Physics I with Calculus	4			
PSY126	Child & Adolescent Psych.	3		SEVENTH SEMESTER (spring)*	
SOC111	Sociology	3	MATH379	Problem Solving Strategies II	1
		17	MATH450	Mathematical Statistics	3
	THIRD SEMESTER (fall)		MATH380	Approaches to Teaching Math	3
ETC212	Internet Literacy	3	EDUC414	Ed. Psych.-Cognitive Aspects	3
MAT283	Calculus III	4	EDUC419	Diversity in the Classroom	3
MAT263	Principles of Discrete Math	4		Foreign Language course**	4
SPA136	Spanish Communications I	4			17
		15		EIGHTH SEMESTER (summer)	
	FOURTH SEMESTER (spring)			Group A course**	3
EDC260	Educational Psychology	3		NINTH SEMESTER (fall)	
ENG160	Business Communications	3	MATH308	Hist. Dev. Math Conpts. & Ideas	3
MAT210	Problem Solving Strategies	1	MATH451	Abstract Algebra I	3
MAT288	Linear Algebra	4	MATH540	College Geometry: Hist. App.	3
MAT291	Ordinary Differential Equations	4	EDUC430	Classroom Management I	1
		15	EDUC420	Reading in Content Areas	1
				Group A course**	3
				Group B course**	3
					17
				TENTH SEMESTER (spring)*	
			MATH518	Math Models & App.	3
			MATH382	Student Teaching Sem. Secondary	2
				Math	
			EDUC400	Student Teaching	9
					14

Course sequencing may vary by semester. See your advisor.

MAT 181, Algebra and Trigonometry, and RDG 120, Critical Reading and Thinking, will be required DTCC courses unless the student is exempt.

**Students should check with their UD advisor regarding group and foreign language requirements and choices.

For more information contact:

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