

Academic Challenge Level 4 and 5 English Classes

Course	Credits	Times	UD Equivalent
Level 4 Fall English			
ENG124 Oral Communications	3	T 8:00-10:50 am T 11:30-2:20 pm	COMM350 Public Speaking
Delaware Technical Community College course designed to improve listening and oral communications skills through practice in individual and group research and presentations.			
Level 4 Spring English			
ENG111 Honors Composition and Research	3	M 8:00-10:50 am W 11:30 – 2:20 pm	Department Elective
Delaware Technical Community College advanced writing course that focuses on high order critical reading (analysis, synthesis, contextualization, and evaluation) and presentation skills. The course emphasizes sophisticated approaches to argumentation and research that are informed by cultural studies theory.			
ENG129 Creative Writing	3	W 1:00-3:50 pm	ENGL227 Introduction to Creative Writing
Delaware Technical Community College course designed to foster creativity and improve writing skills through practice in writing essays, short stories, and literature critiques.			
Level 5 Fall English			
ENG128 African-American Literature	3	M 8:00-10:50 am	ENGL344 African American Literature I
Delaware Technical Community College literature course that traces the contributions of African-Americans from the colonial era to the present.			

Course	Credits	Times	UD Equivalent
ENG122 Tech Writing & Communication	3	TR 11:00-12:20 pm M 5:30-8:20 pm Online	ENGL 410 Technical Writing
Advanced Delaware Technical Community College course designed to enhance skills in the creation of professional communications and reports through the interpretation and analysis of primary and secondary sources.			
Level 5 Spring English			
COM246 Introduction to Film	4	TR 12:30pm–2:20pm T 11:30am-3:20pm W 8:00am-11:40am	ENGL217 Introduction to Film
Delaware Technical Community College course that reviews the language concerning the technical structure of film and all its components to include cinematography, sound, lighting, casting, storyboarding and scriptwriting. It also allows students to convey their opinions to an audience as well as analyze a film's impact on society and culture.			
ECO111 Macroeconomics	3	MW 8:00am–9:20am MW 9:30am–10:50am MW 2:30pm–3:50pm TR 8:30am–9:50am W 6:00pm-8:50pm (Hybrid) Online	ECON101 Introduction to Microeconomics
Delaware Technical Community College course in which students learn the basic principles of supply and demand as they impact the American economy. Special emphasis is placed on national policy decisions used to solve the problems of inflation and unemployment, such as Keynesian, monetarist, and supply-side policy approaches.			
ENG129 Creative Writing	3	W 1:00pm-3:50pm	ENGL227 Introduction to Creative Writing
Delaware Technical Community College course designed to foster creativity and improve writing skills through practice in writing essays, short stories, and literature critiques.			

Course	Credits	Times	UD Equivalent
<p data-bbox="130 305 613 341">HIS111 US History: Pre-Civil War</p> <p data-bbox="130 370 1915 438">Delaware Technical Community College course that is a survey of colonial America and United States history through 1877. The course covers political, social, cultural, and economic factors that shaped the pattern of life in the United States through the period of Reconstruction.</p>	3	<p data-bbox="919 289 1150 354">T 9:30am–12:20pm Online</p>	U.S. History to 1865
<p data-bbox="130 500 630 535">HIS112 US History: Post-Civil War</p> <p data-bbox="130 565 1869 633">Delaware Technical Community College that course surveys United States history through 1877 to present and covers political, social, cultural, and economic factors that shaped life in the United States.</p>	3	<p data-bbox="919 483 1155 548">W 9:30am-12:20pm Online</p>	U.S. History Since 1865

Academic Challenge Level 4 and 5 Math Classes

Course Title	Credits	Times	UD Equivalent
Level 4 Fall Math			
MAT281 Calculus I	4	T 11:30-1:50 pm & R 3:00-5:20 pm T 8:30-10:50 am & R 6:00-8:20 pm TR 4:30-6:50 pm	MATH241 Analytic Geometry and Calculus A
Delaware Technical Community College course that includes the study of functions, limits, and continuity; differential calculus of algebraic and trigonometric functions with applications; and an introduction to the development of the definite integral.			
Level 4 Spring Math			
MAT282 Calculus II	4	M 6:00-7:50 pm & W 8:00-10:50 am M 11:30-2:20 pm & W 6:00-7:50 pm	MATH242 Analytic Geometry and Calculus B
Delaware Technical Community College course that provides a study of integral calculus of algebraic, trigonometric, exponential, and logarithmic functions with applications. Topics include methods and applications of integration, infinite series, parametric equations, and polar coordinates.			
MAT251 Finite Math	3	T 8:00-10:50 am	MATH230 Finite Mathematics with Applications
Delaware Technical Community College course that covers selected algebraic topics, including mathematics of finance, systems of linear equations and matrix algebra, linear programming, properties of probability and probability distributions, Markov chains, and techniques of applied problem solving.			
Level 5 Fall Math			
MAT283 Calculus III	4	M 11:30-3:20 pm	MATH243 Analytic Geometry and Calculus C
Delaware Technical Community College course that provides a study of partial derivatives, multiple integrals, line integrals, and vectors.			

Course Title	Credits	Times	UD Equivalent
MAT255 Statistics I	4	W 11:30 – 3:20 pm R 5:00-8:50 pm MW 2:30-4:20 pm	Department Elective
<p>Delaware Technical Community College course that covers the basic concepts of data organization, measures of central tendency, variability probability and probability distributions, sampling and sampling distributions, estimation dealing with population means and proportions of large and small samples, and hypothesis testing. This course includes techniques of applied problem solving.</p>			
Level 5 Spring Math			
BIO140 General Biology	4	M 9:30-11:20 am & W 9:00-11:50 am T 5:30pm–8:20pm & R 5:30pm–7:20pm R 1:00pm– 3:50pm (Hybrid)	BISC104 Principles of Biology with Laboratory
<p>Delaware Technical Community College course that discusses biological concepts, including basic cellular chemistry, cell structure and function, life processes, genetics, biodiversity of organisms, evolution and natural selection, human reproduction and development, and interaction of organisms with their environment.</p>			
ECO111 Macroeconomics	3	MW 8:00am–9:20am MW 9:30am–10:50am MW 2:30pm–3:50pm TR 8:30am–9:50am W 6:00pm-8:50pm (Hybrid) Online	ECON101 Introduction to Microeconomics
<p>Delaware Technical Community College course in which students learn the basic principles of supply and demand as they impact the American economy. Special emphasis is placed on national policy decisions used to solve the problems of inflation and unemployment, such as Keynesian, monetarist, and supply-side policy approaches.</p>			
MAT251 Finite Math	3	T 8:00 am – 10:50 am	MATH230 Finite Mathematics with Applications
<p>Delaware Technical Community College course that covers selected algebraic topics, including mathematics of finance, systems of linear equations and matrix algebra, linear programming, properties of probability and probability distributions, Markov chains, and techniques of applied problem solving.</p>			

Course Title	Credits	Times	UD Equivalent
MAT256 Statistics II	4	W 11:30am–3:20pm W 5:30pm–9:20pm	Department Elective
Delaware Technical Community College course that covers hypothesis testing of means and proportions, chi-square test, analysis of variance, regression and correlation analysis, non-parametric testing methods, and statistical process control. Topics include techniques of applied problem solving using data analysis software such as Excel.			
PHY281 Physics I with Calculus	4	TR8:00 am–10:50am	PHYS207 Fundamentals of Physics I
Delaware Technical Community College calculus-based physics course which includes the study of vectors, kinematics, dynamics, energy, momentum, gravitation, rotational motion and dynamics, equilibrium, oscillations, and mechanical properties of matter.			