

2017-2018 Courses by Department

Update 2/14/2016



Rensselaer Central High School

**AGRICULTURE CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
5056	Intro. to Ag., Food, and Natural Res.	9th	Year			
5008	Animal Science	9th-12th	Year	Yes	Yes	
5088	Agriculture Power, Structure, & Tech.	10th-12th	Year	Yes	Yes	
5180	Natural Resources	10th-11th	Year	Yes	Yes	
5002	Agribusiness Management	11th-12th	Year	Yes	Yes	Yes
5070	Advanced Life Science, Animal	11th-12th	Year	Yes		Yes

**ART Fine Arts**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
4000	Introduction to 2 Dimensional Art	9th-12th	Sem			
4002	Introduction to 3 Dimensional Art	9th-12th	Sem	Yes		
4004	Advanced 2 Dimensional Art	10th-12th	Sem	Yes		
4006	Advanced 3 Dimensional Art	10th-12th	Sem	Yes		
4040	Ceramics	10th-12th	Sem	Yes		
4060	Drawing	10th-12th	Sem	Yes		
4042	Jewelry	10th-12th	Sem	Yes		
4064	Painting	10th-12th	Sem	Yes		

**Business Information Technology CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
4528	Digital Apps. and Responsibility	9th-12th	Year			
5230	Computer Tech Support	10th-11th	Year	Yes		
5234	Networking I	11th-12th	Year	Yes		

**BUSINESS, MARKETING CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
5394	Preparing for College and Careers	9th	Sem			
4540	Personal Financial Responsibility	9th-12th	Sem			Yes
4518	Introduction to Business	9th-10th	Year			
4512	Business Math	10th-11th	Year	Yes		Yes
4524	Introduction to Accounting	10th-11th	Year			
5914	Principles of Marketing	11th-12th	Year			
5984	Sports and Entertainment Marketing	11th-12th	Year	Yes		

**ENGINEERING/Technology CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
4812	Intro to Engineering Design PLTW	9th	Year		Yes	
4814	Principles of Engineering PLTW	10th-11th	Year	Yes	Yes	Yes
4820	Civil Engineering & Architecture PLTW	11th-12th	Year	Yes	Yes	Yes
5698	Engineering Design and Dev. non-PLTW	12th	Year	Yes		Yes

**ENGLISH/LANGUAGE ARTS**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
1002	English 9	9th	Year			
1002H	English 9 Honors	9th	Year			
1010	Language Art Lab	9th-12th	Year			
1004	English 10	10th	Year	Yes		
1004H	English 10 Honors	10th	Year	Yes		
1006	English 11	11th	Year	Yes		
1056	AP English Language & Composition	11th-12th	Year	Yes	AP	
1008	English 12	12th	Year	Yes		
1058	AP English Literature & Composition	11th-12th	Year	Yes	AP	
1092	Creative Writing	11th-12th	Sem	Yes		
1084	Mass Media Y	9th-12th	Year	Yes		
1044	Poetry	11th-12th	Sem	Yes		
1076	Speech	10th-12th	Sem			
1060	Etymology	11th-12th	Sem	Yes		

**FAMILY & CONSUMER SCIENCES CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
5342	Nutrition and Wellness	9th-10th	Sem			
5340	Advanced Nutrition and Wellness	9th-12th	Sem	Yes		
5362	Child Development	10th-12th	Sem	Yes		
5360	Advanced Child Development	10th-12th	Sem	Yes		
5408	Education Professions I	11th-12th	Year	Yes		
5406	Education Professions II	12th	Year	Yes		

**HEALTH & WELLNESS EDUCATION**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
3506	Health and Wellness Education	9th-12th	Sem			
3542	Physical Education I (L)	9th-12th	Sem			
3544	Physical Education II (L)	9th-12th	Sem	Yes		
3560	Elective Physical Education (L)	10th-12th	Sem	Yes		

**PHYSICAL EDUCATION**

**Health Science CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
5276	Anatomy and Physiology	11th-12th	Year	Yes		
5282	Health Science Education	11th-12th	Yes	Yes	Yes	

**MATHEMATICS**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
2516	Algebra I Lab	9th-12th	Year			Math
2520	Algebra I	9th-12th	Year			Math
2522	Algebra II	9th-12th	Year	Yes		Math
2522H	Algebra II Honors	9th-12th	Year	Yes		Math
2562	AP Calculus, AB	11th-12th	Year	Yes	AP	Math
2530	Finite Mathematics	9th-12th	Year	Yes		Math
2532	Geometry	9th-12th	Year	Yes		Math
2532H	Geometry Honors	9th-12th	Year	Yes		Math
2564	Pre-Calculus	9th-12th	Sem	Yes	Yes	Math
2564H	Pre-Calculus Honors	9th-12th	Sem	Yes	Yes	Math
2566H	Trigonometry	9th-12th	Sem	Yes	Yes	Math
2566	Trigonometry Honors	9th-12th	Sem	Yes	Yes	Math
2546	Probability and Statistics	9th-12th	Sem	Yes		Math

**MULTIDISCIPLINARY**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
0520	Peer Tutoring	11th-12th	Sem	Yes		
0532	College-Entrance Preparaton	10th-11th	Sem	Yes		

**MUSIC Fine Arts**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
4170	Band (Adv. Concert Band)	9th-12th	Year			
4164	Jazz Band (Jazz Ensemble)	9th-12th	Year			
4180	Mixed Choir (Choral Chamber Ens.)	9th-12th	Year			
4184	Show Choir (Vocal Jazz)	9th-12th	Year			

**SCIENCE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
3108	Integrated Chemistry-Physics	9th-10th	Year			
3024	Biology I	10th	Year			
3026	Biology II	10th-11th	Year			
3044	Earth and Space Science I	11th-12th	Year			
3064	Chemistry I	10th-12th	Year	Yes		
3064H	Chemistry I Honors	10th-12th	Year	Yes		
5276	Anatomy and Physiology	11th-12th	Year	Yes		
3066	Chemistry II	11th-12th	Year	Yes		Yes
3066H	Chemistry II Honors	11th-12th	Year	Yes		Yes
3084	Physics I	9th-11th	Year	Yes		Yes
3020	AP Biology	11th-12th	Year	Yes	AP	
3060	AP Chemistry	12th	Year	Yes	AP	Yes

**SOCIAL STUDIES**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
1548	World History and Civilization	10th	Year			
1548H	World History and Civilization Honors	10th	Year			
1542	United States History	11th	Year			
1542H	United States History Honors	11th	Year		Yes	
1546	World Geography	11th-12th	Sem			
1538	Topics in History	11th-12th	Sem			
1534	Sociology	11th-12th	Sem			
1514	Economics	11th-12th	Sem			
1566	AP Microeconomics	11th-12th	Year	Yes	AP	
1540	United States Government	11th-12th	Sem		No	
1560	AP US Government & Politics	11th-12th	Year	Yes	AP	

**TRADE AND INDUSTRY, TECHNOLOGY CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
4798	Intro Transportation	9th-10th	Year			
5510	Automotive Services Technology I	11th-12th	Year			
5546	Automotive Services Technology II	12th	Year	Yes	Yes	

4792	Intro Construction	9th-10th	Year			
5580	Construction Trades I	11th-12th	Year			
5578	Construction Trades II	12th	Year	Yes	Yes	

5776	Welding Technology I	11th-12th	Year			
5778	Welding Technology II	12th	Year	Yes	Yes	

**WORLD LANGUAGE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
2120	Spanish I	9th-12th	Year			
2122	Spanish II	10th-12th	Year	Yes		
2124	Spanish III	11th-12th	Year	Yes	Yes	
2132	AP Spanish Language & Culture	12th	Year	Yes	AP	

**TRADE AND INDUSTRIAL EDUCATION at Other Area High Schools CTE**

Course#	Title	Grades	Year/Sem	Pre-Requisite	Dual Credit	Quantitative
5822	Criminal Justice I	12th	Year	Yes	Yes	
5824	Criminal Justice II	12th	Year	Yes	Yes	
5802	Cosmetology I	12th	Year	Yes	Yes	