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Green Tech

Four-Year Academy

Graduation Requirements	9th Grade	Credits	10th Grade	Credits	11th Grade	Credits	12th Grade	Credits	Y 13
English (x4 credits)	English 9 OR Honors English 9	1	English 10 OR Honors English 10	1	English 11 OR AP English Language	1	English 12 OR College Prep English OR AP English Literature	1	
Math (x3 credits)	Must take 1 math 9th gr year as recommended by facilitator & math teacher	1	Must take 1 math 10th gr year as recommended by facilitator & math teacher	1	Must take 1 math 11th gr year as recommended by facilitator & math teacher	1	Student Choice: College-bound students should enroll in math all four years as recommended by facilitator & math teacher	1	
Science (x3 credits) (1 Life; 1 Physical; 1 Elective)	Honors Biology	1	Chemistry OR Honors Chemistry	1	Required: AP Environmental Science either Junior or Senior year Physics OR AP Physics I Highly Recommended: AP Physics II AP OR College Chemistry AP OR College Biology			2	
Social Studies (x3 credits) (1 World; 1 US; 0.5 Govt; 0.5 elective)	World History OR Honors World History	1	Recommended: Business Economics	.5	US History OR AP US History	1	US Govt OR AP US Govt	.5	
Communications (0.5 credit)	All Academy Capstone Courses will fulfill the Communications Requirement								Y 14
Financial Literacy: (0.5 credit)	Financial Literacy								
Fine/Performing Arts (1 credit)	Student choice - any year(s) 1+								
Health: (0.5 credit)	Health Education - Health may be taken online through eAcademy if space is needed in student's schedule.								
Language Applications: (1.0 credit)	Using the PPG - Identify courses that fulfill this requirement								
Life Studies: (0.5 credit)	Using the PPG - Identify courses that fulfill this requirement								
Physical Education (0.5 credit)	PE Concepts OR Cheer/Dance Team OR Strength & Conditioning	.5	<i>Optional: P.E. Concepts may be taken online through eAcademy if space is needed in student's schedule. This can be scheduled during the summer - grades 10-12 only. Other online classes are available at eacademy.olatheschools.com</i>						
STEM (1.0 credit)			Required: Engineering Drafting/CAD I	.5	Recommend: Engineering Drafting/CAD II (for endorsement with honors/high honors)			.5	
Individual Focus (5.5 credits) Four-Year Academy Coursework	Investigations in Green Tech-Energy Investigations in Green Tech-Sustainability	.5 .5	ES - Energy Power & Society OR SS - Sustainable Resource Management I	1 1	ES - Energy Industry Fundamentals OR SS - Sustainable Resource Management II	1 1	Green Tech WBL-Energy OR Green Tech WBL-Sustainability	1 1	
Total Credits: (24 total needed for graduation)	9th grade total:	7	10th grade total:	7	11th grade total:	7	12th grade total:	3+	
NOTE: Credits beyond requirements in any category will fall under individual focus.									
Students may earn an endorsement on their transcript for completing all Academy requirements, including successful completion of coursework, outside-the-classroom learning opportunities, field experiences, and capstone projects. Refer to the Academy's Endorsement Requirements provided by facilitator or found on the web at olatheschools.org/careerpathways									

Graduating Class of 2028 and Beyond



Green Tech

Four-Year Academy



Energy & Sustainability

WHO WE ARE:

The Green Tech Academy is one of the only programs in the nation where students can study renewable energy and sustainability in-depth at the high school level. Our students are everything from the next generation of wind turbine technicians to environmental engineers and sustainable farmers. Students in this four-year program:

- Discover how the use of energy by society affects every part of our lives
- Engage our community about the environment
- Pursue technological innovations that combat climate change

WHAT WE DO:

- Travel to wind farms, solar arrays, and hydroelectric power plants to learn about energy
- Learn about renewable energy with hands-on equipment
- Use one of the most sustainable high school buildings in the nation to learn about environmental design
- Build our own wind turbines and electric vehicles for STEM competitions
- Grow our own food
- Manage energy usage at Olathe West and track our key sustainability metrics