



# Construction Technology

Two-Year Academy



## Who We Are:

The Construction Technology Academy provides students with hands-on construction experience as they participate in the completion of on and off-site construction projects.

## What We Do:

- Partner with educational and industrial institutions for advanced learning and employment opportunities
- Integrate skills needed to work in the workplace into classroom and laboratory instruction
- Learn the skills necessary to construct a residential home from print reading, building codes and material estimation
- Assemble mock-up structures through the use of safe tool handling
- Learn the basic practices of the trades needed in the construction industry
- Explore career, educational and employment opportunities, including construction-related job shadows and internships



Electronic file located in Xello - "Course Planner"  
 Located at OPS Innovation Campus | X: @OlathePathways  
 Learn more: [olatheschools.org/careerpathways](https://olatheschools.org/careerpathways)



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Graduation Requirements	9th Grade	Credits	10th Grade	Credits	11th Grade	Credits	12th Grade	Credits	POTENTIAL CAREERS
English (x4 credits)	English 9 <i>OR</i> Honors English 9	1	English 10 <i>OR</i> Honors English 10	1	English 11 <i>OR</i> AP English Language	1	English 12 <i>OR</i> College Prep English <i>OR</i> AP English Literature	1	Construction Manager/ Supervisor  Project Engineer
Math (x3 credits)	Must take 1.0 math 9th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 10th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 11th gr year as recommended by facilitator & math teacher	1	Must take 1.0 math 12th gr year as recommended by facilitator & math teacher	1	Field Engineer  Foreman  Assistant Superintendent
Science (x3 credits) (1 Life; 1 Physical; 1 Elective)	Biology <i>OR</i> Honors Biology	1	Chemistry <i>OR</i> Honors Chemistry	1	AP <i>OR</i> College Chemistry AP <i>OR</i> College Biology Physics <i>OR</i> AP/College Physics I/II AP Environmental Science	1	AP <i>OR</i> College Chemistry AP <i>OR</i> College Biology Physics <i>OR</i> AP/College Physics I/II AP Environmental Science	1	Building Inspector  Cost Estimator  Quality Control Manager
Social Studies (x3 credits) (1 World; 1 US; 0.5 Govt; 0.5 elective)	World History <i>OR</i> Honors World History	1	Highly recommended: World Geography <i>OR</i> Honors World Geography	.5	US History <i>OR</i> AP US History	1	US Govt <i>OR</i> AP US Govt	.5	Civil Engineering Technician  Safety Manager  Construction Technologist
Communications (0.5 credit)	Student choice - any year(s) (.5)								
Financial Literacy: (0.5 credit)		Financial Literacy - can be taken any year grades 10-12 (.5)							
Fine/Performing Arts (1 credit)	Student choice - any year(s) (1.0)								
Health: (0.5 credit)	Health Education - can be taken in grade 9 or 10 Optional: Health may be taken online through eAcademy if space is needed in student's schedule.			.5					
Language Applications: (1.0 credit)	Using the PPG - Identify courses that fulfill this requirement (1.0)								
Life Studies: (0.5 credit)	Using the PPG - Identify courses that fulfill this requirement (.5); Highly Recommend: Woodworking & Design Principles I								
Physical Education (0.5 credit)	PE Concepts <i>OR</i> Cheer/Dance <i>OR</i> Strength & Conditioning 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 <a href="https://eacademy.olatheschools.com">eacademy.olatheschools.com</a>								Y 13 / Y 14
STEM (1.0 credit)	Students fulfill STEM graduation requirement through Two-Year Academy Courses (1.0)								
Individual Focus (5.5 credits) Two-Year Academy Coursework					Carpentry I & II Plumbing Technology Electrical Technology	3	Remodel & Building Maintenance R&D in Building Trades Work Experience in Construction	3	
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.									