



## 2 Architecture & Construction Plan of Study



**Sub-Pathways:** Design/Pre-construction Pathway, Construction Pathway, Maintenance/Operations Pathway

High School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
	English 9 or Freshman Honors English	Speech and Writing Experiences	American Literature and Forensic Speech - Inclusive 1 & 2	Contemporary Literature or Classical Literature or Guided Literature Projects
	Algebra 1 (or Geometry)	Geometry (or Algebra 2)	Algebra 2 (Pre-Calculus or Discrete Math)	Discrete Math, Pre-Calculus, or AP Statistics (or AP Calculus)
	Molecular Biology	Chemistry	Physical Science or Physics	Advanced Chemistry or Physics
	American Studies II	Contemporary American History or Historical Viewpoints	Geography and Economics or Psychology or Sociology	American Government
	Lifetime Fitness Educ. Computer Applications I	PE/Health	PE/Health	PE/Health
Electives	<p><b>World Languages:</b> In our global society, taking multiple years of a World Language is highly recommended for all post-secondary endeavors and is a requirement for many colleges.</p>			
	<p><b>Related High School Electives:</b> Supplementary materials including the student 'Course Guide' showing elective course offerings that relate to each career cluster are available in the schools and on the district web site at: <a href="http://www.davenport.k12.ia.us/students.asp">http://www.davenport.k12.ia.us/students.asp</a></p>			
	<p><b>Sample Focused Elective Sequences:</b> With the diverse array of career opportunities available under each career cluster, there is no one right combination of elective course offerings. Students, in conjunction with parents, counselors and other caring adults must determine what is right for them. <b>More details can be found at:</b> <a href="http://davenportschools.org/curriculum/ACP/Foc_EI.pdf">http://davenportschools.org/curriculum/ACP/Foc_EI.pdf</a></p>			
	<p><b>Sample Career-Focused Elective Sequences Follow:</b></p>			
	<p><b>Construction Trades: Choose at least 4 units from the following:</b> Basic Carpentry 0.5; Basic Woodworking 0.5; Advanced Woodworking 0.5; Student Built Home 4.0; Earth Materials 0.5; Environmental Studies 0.5</p>			
	<p><b>Drafting:</b> Engineering Drafting 1.0 and Architectural Drafting 1.0; <b>Choose at least 1 unit from the following:</b> Introduction to Engineering Design 1.0; Computer Graphics &amp; Design - 0.5; Advanced Computer Graphics and Design - 0.5; Earth Materials 0.5; Environmental Studies 0.5</p>			
<p><i>Work in Progress</i></p>				

<b>Post-Secondary</b>	<b>Hamilton Technical College</b>	<b>Clinton, Muscatine and Scott</b>	<b>Iowa State University</b>
	<a href="http://www.bhvc.edu">www.bhvc.edu</a> Air Conditioning Specialist Carpenter Apprentice CNC Certificate Electrician apprentice Engineering Technology Heating, Ventilating & Air Pre-Engineering	<a href="#">Technical Drafting &amp; Computer Aided Heating, Ventilation &amp; Air Conditioning</a> <a href="#">Home Inspector Certificate</a> <a href="#">Mechanical Design/Pro-E</a> <a href="#">CNC Machining</a> <a href="#">Pre-Engineering</a>	<a href="http://www.iastate.edu">www.iastate.edu</a> Civil, Construction, Environmental Engineering Electrical & Computer Engineering Mechanical Engineering Materials Science & Engineering
	<b>Kirkwood Community College</b>	<b>Indian Hills Community College</b>	<b>Western Illinois University</b>
	<a href="http://www.kirkwood.cc.ia.us">www.kirkwood.cc.ia.us</a> Architectural Technology CAD/Mechanical CNC Machining Carpentry Construction HVAC Installer Masonry construction Plumbing Technology Skilled Trades	<a href="http://www.indianhills.edu">www.indianhills.edu</a> Building Trades Construction Management Drafting/Virtual Reality	<a href="http://www.wiu.edu">www.wiu.edu</a> Construction Management
		<b>Augustana College</b>	<b>University of Iowa</b>
	<a href="http://www.augustana.edu">www.augustana.edu</a> Landscape Architecture	<a href="http://www.uiowa.edu">www.uiowa.edu</a> Mathematic Civil & Environmental Engineering	
		<b>Bradley University</b>	
		<a href="http://www.bradley.edu">www.bradley.edu</a> Civil & Construction Engineering Electrical Engineering	
<b>Career Enhancement Options</b>	<b>Work-based Learning Options</b>	<b>Short-Term Training Options</b>	
	<input type="checkbox"/> Job-Shadowing: <input type="checkbox"/> Internship/Mentorship: <input type="checkbox"/> On-The-Job Training: <input type="checkbox"/> Apprenticeships:	<input type="checkbox"/> Basic Residential Wiring <input type="checkbox"/> Lockout/Tagout <input type="checkbox"/> Safety Training <input type="checkbox"/> Steel Framing <input type="checkbox"/> Conversational Spanish	

Work in Progress

**Parent/Guardian:** Please sign and return this document indicating that you are aware of your student's career cluster interest and have reviewed the courses recommended for this particular cluster. These are only recommendations. Students will be able to customize their Academic Career Plans to best meet their postsecondary and career goals.

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**PRINT Student's Name/School**

\_\_\_\_\_  
**Parent/Guardian's Signature**

\_\_\_\_\_  
**Date**