

Program of Study: <u>Engineering and Technology</u> - Careers involve advancing technology and continually improve and update product designs and optimize the manufacturing process. Careers include, but not limited to: Aeronautical Engineer, Biotechnology Engineer, Drafter, Quality Technician, and Technical Writer.							
Required Courses	Subject	9 th Grade	10 th Grade	11 th Grade	12 th Grade		
	English (8 credits)	English 1-2	English 3-4	English 5-6	English 7-8		
	Math (6 credits)	Algebra 1-2 or Geometry 1-2	Geometry 1-2 or Algebra 3-4	Algebra 3-4 or Pre- Calculus or Trigonometry	Pre- Calculus or A P Calculus		
	Science (6 credits)	Biology 1-2	Chemistry 1-2	Physics 1-2			
	Social Studies (7 credits)	US History 1-2	Geography and Economics	Modern World History 1-2	American Government		
	Other Required Courses	PE/ROTC International Language Academic, Career & Technical	PE/ROTC Human Growth International Language				
Electives	Suggested Courses of Study	<ul style="list-style-type: none"> • Engineering Technology 1-2 or • Technology Exploration 	<ul style="list-style-type: none"> • Engineering Technology 3-4 or • Engineering Technology 1-2 	<ul style="list-style-type: none"> • Engineering Technology 5-6 or • Engineering Technology 3-4 	<ul style="list-style-type: none"> • Engineering Technology Enrichment or • Engineering Technology 5-6 		
	Additional Electives	<ul style="list-style-type: none"> • CAD/Design Engineering • Industrial Materials & Processes • Technical Writing • Project Lead the Way(++) • Art • Home Maintenance • AP Chemistry • AP Physics 					
School to Career	School Related Activities	<ul style="list-style-type: none"> • Metropolitan Omaha Builders Association (MOBA) • Skills USA • Internship 					

*Academy Program
 **Benson
 --Career Center

^Bryan
 ^^Burke

+Central
 ++North

-South
 +++Northwest