

Pathway Plan of Study (PPS)



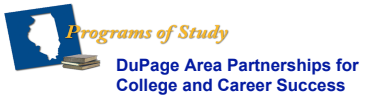
School: Nequa Valley

Science, Technology, Engineering & Mathematics Career Cluster (Minor Focus on Math & Science):  
 [Mathematics: General Education (3 to 5 hours of College Math) Math CIP 2703.01]

Student Name:

Career & Technical Education  
<http://www.isbe.state.il.us/career/>  
<http://www.iccb.org>

		Requirements for High School Graduation				CTE Course Sequences ???		SAMPLE Occupations for This Pathway	
GRADE	English/ Language Arts	Math	Science	Phys Ed, Health, Social Studies	Course Sequence for this Pathway (Strongly Recommended Electives & Directed Electives)	Additional Recommended Courses That Support This Pathway			
SECONDARY	9	English 9	PreAlgebra	Introduction to Science	Physical Education	Take 3-4 years of high school math and 3-4 years of high school science but start at lower level (PreAlgebra and/or Intro to Science)	?	▶ Bank Teller ▶ Lab Technician ▶ Programmer ▶ Electronics Designer ▶ Sales ▶ Data Entry/Programmer ▶ Manufacturing Tester ▶ Medical Technician	
	10	English 10	Algebra I	Biology I	World Hist/Civil or Geog/Hist of Wild	?	?		
	Academic/Career Advisement Provided - College Placement Assessments								
	11	English 11	Geometry	Chemistry or Physics	US History	?	?		
	12	English 12	Algebra II	Physics II, or Chemistry II,	Govt/Econ	?	?		
All Programs of Study should meet with local and state high school graduation requirements.						College of DuPage—Associate in Arts or Applied Science or Fine Arts or General Studies Degrees is optional since mathematics is a transfer area			
POSTSECONDARY	Year 13	Communications I and Communications II	General Ed Math 1218 or Business Math 1100 or Math 1102 for Health Sciences or Technical Math 1115/1116 - Note: May need to start with Math 0481 (Algebra I - high school) or Math 0482 (Algebra II - high school)	Physical/Life Sciences	Social/Behavioral Sciences	Take appropriate courses as required by your chosen field of study	Detailed Information at: <a href="http://www.cod.edu/math">www.cod.edu/math</a>		
	Year 14	Speech		Physical/Life Sciences	Humanities and Fine Arts				
	Year 15								
	Year 16								



College of DuPage  
 Illinois State Board of Education  
 Illinois Community College Board

\*Possible Dual Credit Option



State's Career Cluster Initiative, 2009  
[www.careerclusters.org](http://www.careerclusters.org)

\*\* ADD to the Wheel #5 COD Programs/Departments that support #4 Career Pathways Science & Math under #3 Career Cluster Science, Technology, Engineering, Mathematics  
 Anatomy and Physiology  
 Biology, Botany, Zoology  
 Biotechnology  
 Chemistry  
 Earth Science  
 Mathematics  
 Microbiology  
 Physics

\*\* ADD to the Wheel #5 COD Programs/Departments that support #4 Career Pathways Engineering & Technology under #3 Career Cluster Science, Technology, Engineering, Mathematics  
 Engineering  
 Engineering Technology