



**District** Delavan-Darien School District  
**High School** Delavan-Darien High School  
**Career Cluster** Agriculture, Food & Natural Resources  
**Pathway** Environmental Service Systems

**Program of Study Plan**

This *Program of Study Plan* should serve as a guide in the development of a secondary/post-secondary pathway for a secondary Perkins funding application. Courses listed within this plan are only recommended and are indicative of the courses needed to complete a pathway.

EDUCATION LEVEL	GRADE	English/ Language Arts	Math	Science	Social Studies/ Sciences	Career and Technical Courses Central to this Pathway	Other Career and Technical Education Courses, Electives, and Student Organizations Related to the Pathway	SAMPLE Occupations Relating to This Pathway
Career Interest Inventory Administered and Program of Study Initiated for all Learners.								
SECONDARY	9	English 9	Algebra 1		World Geography	Ag Survey Physical, Earth and Ag Science PEAS	<ul style="list-style-type: none"> <li>▶ <b>FFA</b></li> <li>▶ Supervised Agricultural Experience (SAE)</li> <li>▶ FFA Career Development Events</li> <li>▶ Courses in Business and Marketing Education</li> <li><b>Computer Apps and Business Management</b></li> <li>▶ Courses in Technology and Pre-Engineering</li> <li>▶ Courses in World Languages</li> <li>▶ <b>AP Envir Science Exam</b></li> <li>FBLA</li> </ul>	<ul style="list-style-type: none"> <li>▶ Agricultural Educator</li> <li>▶ Chemical Engineer</li> <li>▶ Environmental Compliance - Assurance Manager</li> <li>▶ Environmental Engineer</li> <li>▶ Environmental Sampling and Analysis Scientist/Technician</li> <li>▶ Hazardous Materials Handler</li> <li>▶ Hazardous Materials Technician</li> <li>▶ Health and Safety Sanitarian</li> <li>▶ Pollution Prevention and Control Manager</li> <li>▶ Pollution Prevention and Control Technician</li> <li>▶ Recycler</li> <li>▶ Solid Waste Manager</li> <li>▶ Solid Waste Technician</li> <li>▶ Toxicologist</li> <li>▶ Water Environment Manager</li> <li>▶ Water Quality Manager</li> </ul>
	10	English 10	Geometry C Geometry T	Biology	U.S. History	Environmental Science Animal Science Botany		
	11	American Lit Inter Comp	Algebra II	Chemistry Bio II Chem II Earth Science	Euro History	Environmental Conservation Fish and Wildlife Conservation Youth Apprenticeship Soil or Plant Systems		
College Placement Assessments-Academic/Career Advisement Provided (ACT, SAT, etc.)								
POST-SECONDARY	12	World Lit Speech Humanities	Trigonometry and Functions AP Statistics	AP Biology AP Chemistry	Psychology Sociology Economics	Youth Apprenticeship Soil or Plant Systems Biotechnology Leadership Landscape Management	<ul style="list-style-type: none"> <li>▶ FFA/SAE</li> <li>▶ Post-secondary Agricultural Student Organization</li> <li>▶ FFA/SAE</li> <li>▶ Post-secondary Agricultural Student Organization</li> <li>▶ FFA/Supervised Agricultural Experience</li> <li>▶ FFA/Supervised Agricultural Experience</li> </ul>	
	<b>Gen Ed Courses</b>							
	13	Communication Skills 1 Written Comm.	Math and Logic	Energy in Nature, Technology and Society	Economics	Plant, Soil and The Environment, UWP Soils, UWP		
	14	Communication Skills 2 Oral/Interpersonal Communication	Intro to College Math	Natural Science Biology Chemistry	Psychology	Intro to Reclamation, UWP Elements of Surveying, UWP		
	<b>Courses Related to Major or Minor</b>							
15	Technical Writing	Statistics	Biochemistry/ Microbiology	Political Science	Continue courses in the area of specialization in Environmental Service Systems			
16	Continue courses in the area of specialization	Continue courses in the area of specialization	Continue courses in the area of specialization	Continue courses in the area of specialization	Complete Environmental Service Systems Major (4-Year Degree Program)			

Advanced Placement = AP, Dual/Transcripted Credit = D/TC, Youth Options = YO