



**District** Delavan-Darien School District  
**High School** Delavan-Darien High School  
**Career Cluster** Agriculture, Food & Natural Resources  
**Pathway** Plant 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 <i>Central</i> to this Pathway	Other Career and Technical Education Courses, Electives, and Student Organizations <i>Related to the Pathway</i>	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 Botany	<ul style="list-style-type: none"> <li>▶ <b>FFA</b></li> <li>▶ Supervised Agricultural Experience (SAE)</li> </ul>	<ul style="list-style-type: none"> <li>▶ Agricultural Educator</li> <li>▶ Agricultural Journalist</li> <li>▶ Bioinformatics Specialist</li> <li>▶ Botanist</li> <li>▶ Biotechnology Lab Technician</li> <li>▶ Commodity Marketing Specialist</li> <li>▶ Custom Hay/Silage Operator</li> <li>▶ Farmer</li> <li>▶ Golf Course Manager</li> <li>▶ Grain Operation Superintendent</li> <li>▶ Green House Manager</li> <li>▶ Plant Breeder and Geneticist</li> <li>▶ Plant Pathologist</li> <li>▶ Rancher</li> <li>▶ Soil and Water Specialist</li> <li>▶ Tree Surgeon</li> </ul>		
	10	English 10	Geometry C Geometry T	Biology	U.S. History	Physical, Earth and Agricultural Science Environmental Science Environmental Conservation	<ul style="list-style-type: none"> <li>▶ FFA Career Development Events</li> <li>▶ Service Learning</li> <li>▶ Courses in Business and Marketing Education</li> </ul>			
	11	American Lit Inter Comp	Algebra II	Chemistry Bio II Chem II	Euro History	Landscape Management Greenhouse Management Marketing Youth Apprenticeship Soil and Plants	<ul style="list-style-type: none"> <li>▶ Courses in Technology and Pre-Engineering</li> <li>▶ Courses in World Languages</li> </ul>			
	College Placement Assessments-Academic/Career Advisement Provided (ACT, SAT, etc.)									
	12	World Lit Speech Humanities	Trigonometry and Functions AP Statistics	AP Biology AP Chemistry	Psychology Sociology Economics	Biotechnology Leadership Youth Apprenticeship Soil and Plant Internship Greenhouse	<ul style="list-style-type: none"> <li>▶ <b>AP Envir Science Exam</b></li> <li>FBLA</li> </ul>			
<b>Gen Ed Courses</b>										
POST-SECONDARY	13	Communication Skills 1	Math and Logic	Plant Biology	Economics	Plant, Soil and The Environment, UWP Soils, UWP Plant Pests and Control, GTC Landscape Design, GTC	FFA/SAE Post-secondary Agricultural Student Organization			
	14	Communication Skills 2	Intro to College Math	Natural Science	Psychology	Woody Landscape Plants, UWP Plant Breeding Principles,UWP Landscape Plants, GTC Herbaceous Plants, GTC	FFA/SAE Post-secondary Agricultural Student Organization			
	<b>Courses Related to Major or Minor</b>									
15	Technical Writing	Statistics	Biochemistry/ Microbiology	Political Science	Continue courses in the area of specialization in Horticulture, Forestry or Agronomy	FFA/Supervised Agricultural Experience				
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 Plant Systems Major (4-Year Degree Program)	FFA/Supervised Agricultural Experience				

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