

Preparing Tomorrow's Workforce

#### **Coordinated Plan of Study**

## North Dakota Career and Technical Education or Academic Scholarship AGRICULTURAL EDUCATION

Agric	culture, Food & Natural Resources	
Agric	Career Cluster	
Course	Career Cluster	
Code	Description	
01011	Introduction to Agriculture	
01021	Agriscience Technology I	
01012	Foundations of Agriculture	
01022	Agriscience Technology II	
01073	Agriculture III	
01023	Agriscience Technology III	
01074	Agriculture IV	
01080	CASE – Intro to AFNR	
	Agribusiness Systems	
	Pathway	
Course	Description	
Code	•	
01034	Agricultural Sales & Service	
01035	Agricultural Business Management	
01069	World Agricultural Science and Technology	
01993	Community Development	
01995	Supervised Agricultural Experience	
01999	Cooperative Work Experience	
01990	Individual Agricultural Studies	

Agr	iculture, Food & Natural Resources Career Cluster
Course Code	Description
01011	Introduction to Agriculture
01021	Agriscience Technology I
01012	Foundations of Agriculture
01022	Agriscience Technology II
01073	Agriculture III
01023	Agriscience Technology III
01074	Agriculture IV
01080	CASE – Intro to AFNR
	Animal Systems
	Pathway
Course Code	Description
01081	CASE – Principles of Agricultural Science-Animal
01061	Livestock Production
01062	Equine Science
01066	Small Animal Care
01067	Veterinary Science
01068	Agriculture Processing
01069	World Agriculture Science and Technology
01990	Individual Agricultural Studies
01995	Supervised Agricultural Experience
01999	Cooperative Work Experience

Agric	culture, Food & Natural Resources Career Cluster
Course Code	Description
01011	Introduction to Agriculture
01021	Agriscience Technology I
01012	Foundations of Agriculture
01022	Agriscience Technology II
01073	Agriculture III
01023	Agriscience Technology III
01074	Agriculture IV
01080	CASE – Intro to AFNR
	Natural Resources
	Pathway
Course Code	Description
01053	Botany/Horticulture Science I
01054	Botany/Horticulture Science II
01063	Natural/Environmental Resources
01069	World Agriculture Science and Technology
01990	Individual Agricultural Studies
01993	Community Development
01995	Supervised Agricultural Experience
01999	Cooperative Work Experience

Agric	Agriculture, Food & Natural Resources Career Cluster	
Course Code	Description	
01011	Introduction to Agriculture	
01021	Agriscience Technology I	
01012	Foundations of Agriculture	
01022	Agriscience Technology II	
01073	Agriculture III	
01023	Agriscience Technology III	
01074	Agriculture IV	
01080	CASE – Intro to AFNR	
E	nvironmental Services Systems	
	Pathway	
Course	Description	
Code		
01053 – 54	Botany/Horticulture Science	
01043 -		
44	Agricultural Mechanics Technology	
44 01063	Agricultural Mechanics Technology  Natural/Environmental Resources	
	0,	
01063	Natural/Environmental Resources	
01063 01069	Natural/Environmental Resources World Agricultural Science and Technology	
01063 01069 01088	Natural/Environmental Resources World Agricultural Science and Technology CASE Environmental Issues	
01063 01069 01088 01990	Natural/Environmental Resources World Agricultural Science and Technology CASE Environmental Issues Individual Agricultural Studies	
01063 01069 01088 01990 01993	Natural/Environmental Resources World Agricultural Science and Technology CASE Environmental Issues Individual Agricultural Studies Community Development	

Agri	culture, Food & Natural Resource Career Cluster
Course Code	Description
01011	Introduction to Agriculture
01021	Agriscience Technology I
01012	Foundations of Agriculture
01022	Agriscience Technology II
01073	Agriculture III
01023	Agriscience Technology III
01074	Agriculture IV
01080	CASE – Intro to AFNR
	Plant Systems
	Pathway
Course Code	Description
01082	CASE – Principles of Agricultural Science-F
01025	Agronomy Science
01053	Botany/Horticulture Science I
	Botany/Horticulture Science II
01054	Botany/norticulture Science II
01054 01069	World Agriculture Science and Technolo
01069	World Agriculture Science and Technolo

Agric	Agriculture, Food & Natural Resources Career Cluster		
Course Code	Description		
01011	Introduction to Agriculture		
01021	Agriscience Technology I		
01012	Foundations of Agriculture		
01022	Agriscience Technology II		
01073	Agriculture III		
01023	Agriscience Technology III		
01074	Agriculture IV		
01080	CASE – Intro to AFNR		
Foo	Food Products & Processing Systems		
	Pathway		
Course Code	Description		
01068	Agriculture Processing		
01990	Individual Agricultural Studies		
01995	Supervised Agricultural Experience		
01999	Cooperative Work Experience		

Agric	Agriculture, Food & Natural Resources Career Cluster		
Course Code	Description		
01011	Introduction to Agriculture		
01021	Agriscience Technology I		
01012	Foundations of Agriculture		
01022	Agriscience Technology II		
01073	Agriculture III		
01023	Agriscience Technology III		
01074	Agriculture IV		
01080	CASE – Intro to AFNR		
Pow	Power, Structural & Technical Systems		
	Pathway		
Course Code	Description		
01043	Agricultural Mechanics Technology I		
01044	Agricultural Mechanics Technology II		
01044	Agricultural Micchanics recimology in		
01045	Agricultural Mechanics Power Systems		
	5		
01045	Agricultural Mechanics Power Systems		
01045 01046	Agricultural Mechanics Power Systems Agricultural Welding & Fabrication		
01045 01046 01047	Agricultural Mechanics Power Systems Agricultural Welding & Fabrication Advanced Ag Welding & Fabrication		

- Student must complete at least 2 credits in one Career Cluster/Pathway.
- The top/blue section of the plan consists of more general courses that fit into the career cluster. The second/red section identifies a career pathway within that cluster and contains courses intended to better prepare students interested in that specific pathway.
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  equal that number of credits, utilizing courses from both sections.



## Coordinated Plan of Study North Dakota Career and Technical Education or Academic Scholarship

#### **BUSINESS EDUCATION**

Busin	Business Management & Administration		
	Career Cluster		
Course	Description		
Code	Description		
14230/	Business Fundamentals/		
04080	Principles of Marketing		
14060	Business Communication		
14010	Accounting I		
14011	Accounting II		
14095/	Financial Literacy/		
04081	Principles of Finance		
Administrative Support			
	Pathway		
Course	Description		
Code	·		
14025	Spreadsheets		
14096	Word Processing		
14098	Desktop Publishing		
14099	Multimedia I		
14100	Multimedia II		
14028	Communication Technologies		
14022	Web Design		
14026	Database		
14026 14079	Database Business Technology & Procedures		

Busir	Business Management & Administration Career Cluster	
Course Code	Description	
14230/	Business Fundamentals/	
04080	Principles of Marketing	
14060	Business Communication	
14010	Accounting I	
14011	Accounting II	
14016	Business Finance	
14090	Business Law	
14151	Economics (CTE)	
14024	Business Computer Applications	
14095/	Financial Literacy/	
04081	Principles of Finance	
	General Management	
	Pathway	
Course Code	Description	
14231	Management I*	
14232	Management II*	
14111	Entrepreneurship/	
04110	Principles of Entrepreneurship	
14233	Global Management	
14234	Operations Management	
14999	Cooperative Work Experience	

	Finance
	Career Cluster
Course	
Code	Description
14230/	Business Fundamentals/
04080	Principles of Marketing
14060	Business Communication
14010	Accounting I
14011	Accounting II
14016	Business Finance
14090	Business Law
14151	Economics (CTE)
14024	Business Computer Applications
14095/	Financial Literacy/
04081	Principles of Finance
	Accounting
	Pathway
Course Code	Description
14012	Accounting III
14013	Accounting IV
14014	Forensic Accounting
14015	Entrepreneurial Accounting
14025	Spreadsheets
14999	Cooperative Work Experience

- Student must complete at least 2 credits in one Career Cluster/Pathway.
- The top/blue section of the plan consists of more general courses that fit into the career cluster. The second/red section identifies a career pathway within that cluster and contains courses intended to better prepare students interested in that specific pathway.
- To complete two credits in a coordinated plan of study, a student chooses two or more courses to equal that number of credits, utilizing courses from both sections.
- \*04223 Management can be used in place of 14231/2 Management I and II
- Gray cells are classes not funded by NDCTE.



#### **Coordinated Plan of Study**

## North Dakota Career and Technical Education or Academic Scholarship FAMILY & CONSUMER SCIENCES EDUCATION

Arts, A/V Technology & Communications Career Cluster			
Course Code	Description		
09022	Family & Consumer Sciences I		
09023	Family & Consumers Sciences II		
09024	Family and Consumer Sciences III		
09025	Independent Living		
09028	Consumer & Resource Management		
09140	Individual Family & Consumer Sciences Studies		
Visual Arts			
	Pathway		
Course Code	Description		
09027	Clothing & Textiles I		
09029	Clothing & Textiles II		
09030	Fashion and Textile Trends		
09037	Current Topics in Textiles & Apparel		
09133	Housing & Living Environments		
09212	Clothing & Textiles Services		
09212 09250	Clothing & Textiles Services Occupational Exploration		

09250	Occupational Exploration
09299	Cooperative Work Experience
	Hospitality & Tourism
	Career Cluster
Course	Description
Code	Description
09022	Family & Consumer Sciences I
09023	Family & Consumers Sciences II
09024	Family and Consumer Sciences III
09025	Independent Living
09028	Consumer & Resource Management
09140	Individual Family & Consumer Sciences Studies
Res	taurants & Food/Beverage Services
	Pathway
Course	Description
Code	Description
09131	Nutrition & Food Prep I
09135	Nutrition & Food Prep II
09136	Cultures & Cuisines
09137	Nutrition & Fitness
09250	Occupational Exploration
09250	Occupational Exploration Food Service/Culinary Arts

Cooperative Work Experience

	Education & Training		
	Career Cluster		
Course Code	Description		
09022	Family & Consumer Sciences I		
09023	Family & Consumers Sciences II		
09024	Family and Consumer Sciences III		
09025	Independent Living		
09028	Consumer & Resource Management		
09140	Individual Family & Consumer Sciences Studies		
	Teaching/Training		
	Pathway		
Course Code	Description		
09026	Child Development		
09041	Teaching Professional (CTE)		
09042	Educational Methodology		
09130	Parenting		
09211	Early Childhood Care & Education Services		
09250	Occupational Exploration		
09299	Cooperative Work Experience		

	Human Services Career Cluster
Course	carcer staster
Code	Description
09022	Family & Consumer Sciences I
09023	Family & Consumers Sciences II
09024	Family and Consumer Sciences III
09025	Independent Living
09028	Consumer & Resource Management
09140	Individual Family & Consumer Sciences Studies
Early	<b>Childhood Development &amp; Services</b>
	Pathway
Course Code	Description
09026	Child Development
09129	Individual & Family Health
09130	Parenting
09131	Nutrition & Food Prep I
09135	Nutrition & Food Prep II
09132	Family Living
09137	Nutrition & Fitness
09250	Occupational Exploration
09250 09211	Occupational Exploration Early Childhood Care & Education Services

	Health Sciences Career Cluster
Course Code	Description
09022	Family & Consumer Sciences I
09023	Family & Consumers Sciences II
09024	Family and Consumer Sciences III
09025	Independent Living
09028	Consumer & Resource Management
09140	Individual Family & Consumer Sciences Studies
	Support Services
	Support Services Pathway
Course Code	
	Pathway  Description  Individual & Family Health
Code 09129 09131	Pathway  Description  Individual & Family Health  Nutrition & Food Prep I
Code 09129 09131 09135	Pathway  Description  Individual & Family Health
Code 09129 09131 09135 09137	Pathway  Description  Individual & Family Health  Nutrition & Food Prep I  Nutrition & Food Prep II  Nutrition & Fitness
Code 09129 09131 09135 09137 09138	Pathway  Description  Individual & Family Health  Nutrition & Food Prep I  Nutrition & Food Prep II  Nutrition & Fitness  Food Science & Technology
Code 09129 09131 09135 09137	Pathway  Description  Individual & Family Health  Nutrition & Food Prep I  Nutrition & Food Prep II  Nutrition & Fitness

	Human Services Career Cluster
	Career Cluster
Course	Description
Code	•
09022	Family & Consumer Sciences I
09023	Family & Consumers Sciences II
09024	Family and Consumer Sciences III
09025	Independent Living
09028	Consumer & Resource Management
09140	Individual Family & Consumer Sciences Studies
	Family & Community Services
	Pathway
Course	Description
Code	
09025	Independent Living
09026	Child Development
09129	Individual & Family Health
09130	Parenting
09131	Nutrition & Food Prep I
09135	Nutrition & Food Prep II
09132	Family Living
09137	Nutrition & Fitness
09250	Occupational Exploration

- Student must complete at least 2 credits in one Career Cluster/Pathway.
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### Coordinated Plan of Study North Dakota Career and Technical Education or Academic Scholarship

#### **HEALTH SCIENCES EDUCATION**

Busin	ess Management & Administration Career Cluster
Course Code	Description
ш	uman Resources Management
-	Pathway
Course Code	Description
07021	Sign Language I
07022	Sign Language II
07023	Sign Language III
07024	Sign Language IV
07025	Sign Language Cooperative Education
07999	Health Education Supervised Occupational Experience

	Health Science Career Cluster	
Course Code	Description	
37080	CTE Health Careers Cluster	
07036	Medical Terminology	
07033	Health Sciences I	
07035	Health Sciences II	
Health Informatics		
Pathway		
Course Code	Description	
07040	Medical Records	
07999	Health Education Supervised	
07999	Occupational Experience	

	Health Science Career Cluster		
Course Code	Description		
37080	CTE Health Careers Cluster		
07036	Medical Terminology		
07033	Health Sciences I		
07035	Health Sciences II		
Biotec	Biotechnology Research & Development		
	Pathway		
Course Code	Description		
10710	Biomedical Technology		
10730	PLTW Principles of Biomedical Science		
10732	PLTW Human Body Systems		
10734	PLTW Medical Interventions		
10736	PLTW Biomedical Innovation		
07999	Health Education Supervised Occupational Experience		

	Health Science Career Cluster		
Course Code	Description		
37080	CTE Health Careers Cluster		
07036	Medical Terminology		
07033	Health Sciences I		
07035	Health Sciences II		
Therapeutic Services			
	Pathway		
Course Code	Description		
	Description  Nurse Assistant Foundations		
Code	•		
Code 07031	Nurse Assistant Foundations		
Code 07031 07032	Nurse Assistant Foundations Nurse Assistant		
Code 07031 07032 07038	Nurse Assistant Foundations  Nurse Assistant  Introduction to Nursing  Emergency Medical Services		
Code 07031 07032 07038 07044	Nurse Assistant Foundations  Nurse Assistant  Introduction to Nursing  Emergency Medical Services  Foundations		

	Health Science Career Cluster	
Course Code	Description	
37080	CTE Health Careers Cluster	
07036	Medical Terminology	
07033	Health Sciences I	
07035	Health Sciences II	
Diagnostic Services		
Pathway		
Course Code	Description	
07034	Prevention/Care of Athletic Injuries	
07999	Health Education Supervised Occupational Experience	

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# Coordinated Plan of Study North Dakota Career and Technical Education or Academic Scholarship INFORMATION TECHNOLOGY EDUCATION

	Information Technology Career Cluster
Course Code	Description
27101	Intro to IT
27280	Introduction to Cybersecurity
23011	Computer Science Applications
I	Information Support & Services
	Pathway
Course Code	Description
27111	Internet of Things Fundamentals
27219	Computer Hardware and Operating Systems (A+)
27220	IT Essentials 2
27265	Introduction to Networking
27266	CCNA Introduction to Networks
27300	Essentials of Desktop Operating Systems
27305	Essentials of Desktop Operating Systems – Linux
27400	Geographic Info Systems (GIS)
27995	IT Internship
27999	Cooperative Work Experience
51012	Governor's School: Information Technology

	Information Technology Career Cluster
Course Code	Description
27101	Intro to IT
27280	Introduction to Cybersecurity
23011	Computer Science Applications
	Network Systems
	Pathway
Course Code	Description
27111	Internet of Things Fundamentals
27219	Computer Hardware and Operating Systems (A+)
27220	IT Essentials 2
27265	Introduction to Networking
27266	CCNA Introduction to Networks
27267	CCNA Routing & Switching Essentials
27268	CCNA Scaling Networks
27269	CCNA Connecting Networks
27305	Essentials of Desktop Operating Systems – Linux
27310	Essentials of Network Operating Systems
27995	IT Internship
27999	Cooperative Work Experience
51012	Governor's School: Information Technology

Course Cluster  Code Description  27101 Intro to IT  27280 Introduction to Cybersecurity  23011 Computer Science Applications  Programming & Software Development	nt
Code         Description           27101         Intro to IT           27280         Introduction to Cybersecurity           23011         Computer Science Applications	nt
27101 Intro to IT 27280 Introduction to Cybersecurity 23011 Computer Science Applications	it
23011 Computer Science Applications	it
23011 Computer Science Applications	it
	it
Trogramming & Software Developmen	
Pathway	
Course Description	
27120 Intro to Programming Languages	
27122 Programming Essentials	
23012 CS Programming	
27123 Programming Essentials: Python	
27124 Programming Essentials: C++	
27125 Fundamentals of JAVA Programming	
27127 Advanced JAVA Programming	
23015 Advanced CS Programming	
27128 Mobile Applications Development	
27130 Computer Gaming and Design	
27131 Computer Gaming and Design 2	
27170 Introduction to Web Design	
27500 Data Modeling & SQL	
27510 CTE AP CS Principles	
23582 AP Computer Science Principles	
27520 CTE AP CS A	
23580 AP Computer Science A	
10820 PLTW Cybersecurity	
10810 PLTW Computer Science Essentials	
10815 PLTW Computer Science Principles	
27995 IT Internship	
27999 Cooperative Work Experience	
51012 Governor's School: Information Technology	gy

	Information Technology Career Cluster	
Course Code	Description	
27101	Intro to IT	
27280	Introduction to Cybersecurity	
23011	Computer Science Applications	
Web and Digital Communications Pathway		
Course Code	Description	
17140	Audio/Visual Production	
27102	Computer Software Application	
27128	Mobile Applications Development	
27130	Computer Gaming and Design	
27131	Computer Gaming and Design 2	
27170	Introduction to Web Design	
27400	Geographic Info Systems (GIS)	
27995	IT Internship	
27999	Cooperative Work Experience	

- Student must complete at least 2 credits in one Career Cluster/Pathway.
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# Coordinated Plan of Study North Dakota Career and Technical Education or Academic Scholarship MARKETING EDUCATION

	Marketing	
	Career Cluster	
Course Code	Description	
04080/	Principles of Marketing/	
14230	Business Fundamentals	
04210	Marketing I	
04235	Social Media Marketing	
04081/	Principles of Finance/	
14095	Financial Literacy	
04110	Principles of Entrepreneurship/	
14111	Entrepreneurship	
	Marketing Management	
	Pathway	
Course Code	Description	
04215	Marketing II	
04245	Hospitality Marketing	
04310	International Marketing	
04082	Business Finance	
04111	Entrepreneurship	
04290	School Based Enterprise	
04999	Cooperative Work Experience	

Marketing	
Course Code	Career Cluster
	Description
04080/	Principles of Marketing/
14230	Business Fundamentals
04239	Principles of Sports & Entertainment Marketing
04210	Marketing I
04235	Social Media Marketing
04081/	Principles of Finance/
14095	Financial Literacy
Profess	sional Sales/Merchandising/
Market	ing Communication Pathway
Course Code	Description
04215	Marketing II
04223/14231	Management/
& 14232	Management I & II
04240	Sports & Entertainment Marketing
04290	School Based Enterprise
04999	Cooperative Work Experience

- Student must complete at least 2 credits in one Career Cluster/Pathway.
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- To complete two credits in a coordinated plan of study, a student chooses two or more courses to equal that number of credits, utilizing courses from both sections.
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### **Coordinated Plan of Study**

## North Dakota Career and Technical Education or Academic Scholarship TECHNOLOGY & ENGINEERING EDUCATION

	Manufacturing Career Cluster		
Course Code	Description		
10510	Invention & Innovation		
10515	Technological Systems		
M	Manufacturing Production Process		
	Development Pathway		
Course Code	Description		
10093	*Applying Technology		
10111	*Construction Technology		
10121	*Manufacturing Technology		
10251	*Communication Technology		
10259	*Design/Drafting		
10260	*3D Modeling & Design		
10331	*Energy & Transportation Technology		
10411	*Robotics Engineering		
10999	Cooperative Work Experience		

Science, Technology, Engineering & Mathematics	
	Career Cluster
Course Code	Description
10510	Invention & Innovation
10515	Technological Systems
	Engineering & Technology
	Pathway
Course Code	Description
10094	Foundations of Technology
10096	Technology & Society
10338	Advanced Design Applications
10339	Advanced Technological Applications
10410	Technological Design
10411	*Robotics Engineering
10415	Engineering Design
10511	**PLTW Introduction to Engineering Design
10512	**PLTW Digital Electronics
10513	**PLTW Principles of Engineering
10514	**PLTW Civil Engineering and Architecture
10518	**PLTW Environmental Sustainability
10610	STEM Seminar
10520	**PLTW Engineering Essentials
10519	**PLTW Engineering Design and Development
10999	Cooperative Work Experience

- Student must complete at least 2 credits in one Career Cluster/Pathway.
- The top/blue section of the plan consists of more general courses that fit into the career cluster. The second/red section identifies a career pathway within that cluster and contains courses intended to better prepare students interested in that specific pathway.
- To complete two credits in a coordinated plan of study, a student chooses two or more courses to equal that number of credits, utilizing courses from both sections.
- \*No CTE recommended curriculum Available.
- \*\*PLTW Endorsement required to teach this course.



#### **Coordinated Plan of Study**

## North Dakota Career and Technical Education or Academic Scholarship TRADE, INDUSTRY & TECHNICAL EDUCATION

Agric	Agriculture, Food & Natural Resources		
	Career Cluster		
Course	Description		
Code	2 conspicion		
	Natural Resource Systems		
	•		
	Pathway		
Course	Description		
Course Code	Description		
	Exploration of Oil Industry		
Code	•		
<b>Code</b> 17410	Exploration of Oil Industry		

Architecture & Construction Career Cluster		
•	Career Cluster	
Course	Description	
Code		
37020	Architecture & Construction Cluster	
Construction		
	Pathway	
Course Code	Description	
17100	Building Trades I	
17117	Building Trades II	
17101	Building Trades Summer Academy	
17045	Commercial Driver License	
17125	Electrical Technology	
17150	Electronics Technology I	
17151	Electronics Technology II	
17152	Electronics Technology III	
17105	Foundations of Building Trades	
17112	HVAC	
17120	Residential Plumbing	
17104	Woodworking	
17950	T&I Capstone	
17999	Cooperative Work Experience	

	Architecture & Construction Career Cluster	
Course Code	Description	
37020	Architecture & Construction Cluster	
Design/Pre-Construction Pathway		
Course Code	Description	
10511	*PLTW Introduction to Engineering Design (IED)	
17132	Computer Aided Drafting	
17130	Drafting Technology I	
17131	Drafting Technology II	
17105	Foundations of Building Trades	
17950	T&I Capstone	
17999	Cooperative Work Experience	

Architecture & Construction Career Cluster			
Course Code	Description		
37020	Architecture & Construction Cluster		
	Maintenance/Operations		
	Pathway		
Course Code	Description		
17150	Electronics Technology I		
17151	Electronics Technology II		
17152	Electronics Technology III		
17110	Facilities Maintenance I		
17118	Facilities Maintenance II		
17201	Heavy Equipment Mechanics		
17200	Heavy Equipment Operations		
17112	HVAC		
17120	Residential Plumbing		
17115	Sheet Metal Technology		
17950	T&I Capstone		
17999	Cooperative Work Experience		

Arts, AV Technology & Communications Career Cluster		
Course Code	Description	
37030	Arts, A/V Technology & Communications Cluster	
Visual Arts		
	Pathway	
Course Code	Description	
17072	Commercial Art I	
17140	Audio/Visual Production	
17073	Commercial Art II	
17190	Graphic Communications I	
17191	Graphic Communications II	
17080	Photography	
17950	T&I Capstone	
17999	Cooperative Work Experience	

	Hospitality & Tourism Career Cluster	
Course Code	Description	
Restaurants & Food/Beverage Services Pathway		
Course Code	Description	
17050	Culinary Arts I	
17051	Culinary Arts II	
17950	T&I Capstone	
	Cooperative Work Experience	

Manufacturing Career Cluster			
Course Code	Description		
37140	Manufacturing Cluster		
Ma	Manufacturing Production Process  Development Pathway		
Course Code	Description		
17150	Electronics Technology I		
17151	Electronics Technology II		
17152	Electronics Technology III		
17950	T&I Capstone		
17999	Cooperative Work Experience		

Manufacturing Career Cluster		
Course Code	Description	
37140	Manufacturing Cluster	
Production		
Pathway		
Course Code	Description	
17113	Automated Manufacturing	
17230	Machine Tooling Technology	
17238	Virtual Center Welding Technology Summer Academy	
17235	Welding Foundations	
17236	Welding Technology I	
17237	Welding Technology II	
17950	T&I Capstone	
17999	Cooperative Work Experience	

Transportation, Distribution & Logistics Career Cluster		
Course Code	Description	
37170	Transportation, Distribution & Logistics Cluster	
Transportation Operations		
Pathway		
Course Code	Description	
17812	Aviation Technology I	
17813	Aviation Technology II	
17813 17045	Aviation Technology II  Commercial Driver License	
	<u>.,</u>	
17045	Commercial Driver License	

Career Cluster		
Course Code	Description	
37170	Transportation, Distribution & Logistics Cluster	
<b>Facility &amp; Mobile Equipment Maintenance</b>		
Pathway		
Course Code	Description	
17030	Auto Collision Tech I	
17031	Auto Collision Tech II	
17038	Auto General Service Tech I	
17039	Auto General Service Tech II	
17032	Auto Tech I	
17037	Auto Tech II	
17036	Automotive Technology Summer Academy	
17040	Diesel Tech	
17041	Diesel Technology II	
17150	Electronics Technology I	
17029	Foundations of Automotive	
17035	Parts & Merchandise Management	
17311	Recreational Small Engine Technology	
17310	Recreational Small Engine Technology I	
17950	T&I Capstone	
17999	Cooperative Work Experience	

**Transportation, Distribution & Logistics** 

- Student must complete at least 2 credits in one Career Cluster/Pathway.
- The top/blue section of the plan consists of more general courses that fit into the career cluster. The second/red section identifies a career pathway within that cluster and contains courses intended to better prepare students interested in that specific pathway.
- To complete two credits in a coordinated plan of study, a student chooses two or more courses to
  equal that number of credits, utilizing courses from both sections.
- \*PLTW Endorsement required to teach this course.