

## **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	
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.