

Technology & Engineering Education – Coordinated Plans of Study for ND Career and Technical Education or Academic Scholarships					
Science, Technology, Engineering & Mathematics Career Cluster			Manufacturing Career Cluster		
Engineering & Technology			Manufacturing Production Process Development		
Course Code	Description	No. of Cr	Course Code	Description	No. of Cr
10094	Foundations of Technology	½ or 1	10093	Applying Technology	½ to 2
10096	Technology & Society	½ or 1	10110	Production Technology	½ or 1
10338	Advanced Design Applications	½ or 1	10111	Construction Technology	½ or 1
10339	Advanced Tech Applications	½ or 1	10121	Manufacturing Technology	½ or 1
10410	Technological Design	½ or 1	10251	Communication Technology	½ or 1
10415	Engineering Design	½ or 1	10259	Design/Drafting	½ or 1
10411	**Robotics Engineering	½ or 1	10260	3D Modeling & Design	½ or 1
10510	Invention & Innovation	½ or 1	10331	Energy & Transportation Technology	½ or 1
10511	*PLTW Introduction to Engineering Design	½ or 1	10411	Robotics Engineering	½ or 1
10512	*PLTW Digital Electronics	½ or 1	10999	Cooperative Work Experience	½ or 1
10513	*PLTW Principles of Engineering	½ or 1			
10514	*PLTW Civil Engineering and Architecture	½ or 1			
10515	Technological Systems	½ or 1			
10517	*PLTW Computer Integrated Manufacturing	½ or 1			
10518	*PLTW Environmental Sustainability	½ or 1			
10610	STEM Seminar	½ or 1			
10710	Biomedical Technology	½ or 1			
10730	*PLTW Principles of Biomedical Science	½ or 1			
10732	*PLTW Human Body Systems	½ or 1			
10734	*PLTW Medical Interventions	½ or 1			
10999	Cooperative Work Experience	½ or 1			
*PLTW Endorsement required to teach this course **No CTE Recommended Curriculum Available					
Must complete at least 2 credits			Must complete at least 2 credits		