



Tech Prep Six-Year Plan
Career Cluster – Manufacturing



Consortium: East Texas
Program: Computer Aided Manufacturing (CIP: 15.0805)

ISD: Hallsville
College: Texas State Technical College Marshall

| High School | | | | | College | | | |
|----------------------------------|--------------------|--|------------------------------------|--|--|--|--|---|
| Subject | Freshman | Sophomore | Junior | Senior | Freshman | | Sophomore | |
| English | English I | English II | English III | English IV | MCHN 1338 Basic Machine Shop I | *POFI 1301 Computer Applications I | DFTG 1309 Basic Computer-Aided Drafting | INMT 1341 Computer Integrated Manufacturing |
| Math | Algebra I | Geometry | Algebra II | 4 th Math | DFTG 1325 Blueprint Reading and Sketching | MCHN 1320 Precision Tools and Measurement | MCHN 1343 Machine Shop Mathematics | BMGT 2347 Critical Thinking & Problem Solving |
| Science | Biology | Chemistry | Physics | 4 th Science | *MCHN 2431 Operating of CNC Turning Centers | MCHN 1452 Intermediate Machining I | *MCHN 1326 Introduction to Computer-Aided Manufacturing (CAM) | WLDG 1337 Introduction of Metallurgy |
| Humanities | World Geography | World History | U.S. History | Government/ Economics | PSYT 1313 Psychology of Personal Adjustment | MCHN 2434 Operation of CNC Machining Centers | MCHN 2435 Advanced CNC Machining | HUMA 1301 Introduction to Humanities |
| Physical Education/Health | Physical Education | Physical Education & Health | | | ENGL 1301 Composition I | BMGT 1309 Information and Project Management | MATH 1314 College Algebra | MCHN 1380 Coop-Education |
| Other | Foreign Language I | Foreign Language II | Speech | | | | | |
| Fine Arts | | | Elective | | | | | |
| Technology Applications | | *Business Computer Information Systems I 12011200 (POFI 1301) | | | | | | |
| Tech Prep Courses | | | Technology Systems 12331320 | *Computer Numerical Control Programming (1/2) N1255732 And Machine Shop II 12557302 (1/2) | | | | |

*Denotes courses for articulated college credit with TSTC Marshall.

Courses are not repeated in college.