

# Industrial & Engineering Technologies Pathway Planning Guide

Career: \_\_\_\_\_

Name: \_\_\_\_\_  
 Grad Year: \_\_\_\_\_  
 Guidance Counselor: \_\_\_\_\_  
 5th Block Teacher: \_\_\_\_\_

| C O R E (courses in CORE <u>cannot</u> count as a NON-CORE elective)   |  |   |  |  |
|--|--|---|--|--|
| English (4.0)  | Math (4.0)   | Social Studies (4.0)  | Science (4.0)  | World Language<br>- 2 Courses<br>- Level 2 of one language must be achieved.<br>- Level 1 can be completed in 8th grade.   |
| <input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____ | <input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____ | <input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><br><b>Required</b><br>Pick one based on specific career plan.<br><input type="checkbox"/> Introduction to Econ.<br><input type="checkbox"/> AP Economics | <input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____ | <input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> _____ |

| N O N - C O R E (courses in NON-CORE <u>can</u> count for more than one category below)  |   |  |   |   |   |
|--|---|--|---|---|---|
| Arts/Design (1.0)  | Computer Tech. (1.0)  | FCS (.25)  | Career Electives (4.0 – 5.0)  |   |   |
| <b>Any 1 Credit Music</b><br><input type="checkbox"/> _____<br><b>Any .5 Credit Music</b><br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><b>Any .5 Credit Art</b><br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><input type="checkbox"/> Architectural Design & Construction (1)<br><input type="checkbox"/> CAD I (1)<br><input type="checkbox"/> Digital Media Design & Production (1)<br><input type="checkbox"/> 3D Animation & Video Compositing (1)<br><input type="checkbox"/> Graphic Design & Production (.5)<br><input type="checkbox"/> Photography (.5)<br><input type="checkbox"/> Digital Publication (.5)<br><input type="checkbox"/> Interior Decorating (.5)<br><input type="checkbox"/> Clothing/Textiles I (.5)<br><input type="checkbox"/> Clothing/Textiles II (.5)<br><input type="checkbox"/> Cont. Fashion (.5) | <input type="checkbox"/> CAD I<br><input type="checkbox"/> Data Structures<br><input type="checkbox"/> Digital Media Design & Production (1)<br><input type="checkbox"/> Digital Video Editing (1)<br><input type="checkbox"/> Intro to Video Game Programming (1)<br><input type="checkbox"/> Visual Basic (1)<br><input type="checkbox"/> Cisco I (.5)<br><input type="checkbox"/> Cisco II (.5)<br><input type="checkbox"/> Cisco III (.5)<br><input type="checkbox"/> Cisco IV (.5)<br><input type="checkbox"/> Digital Publication (.5)<br><input type="checkbox"/> Graphic Design & Production (.5) | <input type="checkbox"/> Child Health & Consumer Issues (.25) (9th)<br><br><b>Wellness (2.0)</b><br><input type="checkbox"/> PE I (.5)<br><input type="checkbox"/> Health I (.5)<br><br><b>1 Credit of Wellness Elective(s)</b><br><input type="checkbox"/> _____<br><input type="checkbox"/> _____<br><br><b>Personal Fin. (.5) &amp; Career Exp(.25)</b><br><input type="checkbox"/> Career Exploration (9th)<br><input type="checkbox"/> Personal Finance (11th)<br><br><b>Grad Project (1.0)</b><br><input type="checkbox"/> Including portfolio and real-world experience | <input type="checkbox"/> Advanced Painting<br><input type="checkbox"/> Art Studio I (formerly Drawing and Painting1)<br><input type="checkbox"/> Art Studio II (formerly Drawing and Painting 2)<br><input type="checkbox"/> Art Studio III (formerly Fine Arts 3)<br><input type="checkbox"/> Art Studio IV Honors (formerly Fine Arts 4, honors)<br><input type="checkbox"/> Clay Studio I<br><input type="checkbox"/> Clay Studio II<br><input type="checkbox"/> Clay Studio III<br><input type="checkbox"/> Clay Studio IV Honors<br><input type="checkbox"/> Exploring Visual Arts<br><input type="checkbox"/> Printmaking<br><input type="checkbox"/> Sculpture I<br><br><input type="checkbox"/> Advanced Placement Calculus AB<br><input type="checkbox"/> Advanced Placement Calculus BC<br><input type="checkbox"/> Advanced Placement Statistics<br><input type="checkbox"/> Algebra III/Trigonometry<br><input type="checkbox"/> Honors Pre-Calculus/Calculus<br><input type="checkbox"/> Honors Trigonometry/Pre-Calculus<br><input type="checkbox"/> Probability and Statistics<br><input type="checkbox"/> Trigonometry/Analysis | <input type="checkbox"/> Advanced Placement Biology<br><input type="checkbox"/> Advanced Placement Chemistry<br><input type="checkbox"/> Advanced Placement Environmental Science<br><input type="checkbox"/> Advanced Placement Physics - Electricity and Magnetism<br><input type="checkbox"/> Advanced Placement Physics - Mechanics<br><input type="checkbox"/> Allied Health<br><input type="checkbox"/> Astronomy<br><input type="checkbox"/> Biotechnology<br><input type="checkbox"/> Botany<br><input type="checkbox"/> Environmental Education Internship<br><input type="checkbox"/> Environmental Science<br><input type="checkbox"/> Forensics<br><input type="checkbox"/> Geology<br><input type="checkbox"/> Honors Physics<br><input type="checkbox"/> Lab Tech<br><input type="checkbox"/> Meteorology<br><input type="checkbox"/> Physics<br><input type="checkbox"/> Zoology<br><br><input type="checkbox"/> Accounting I<br><input type="checkbox"/> Analysis and Application of Movement in Sports | <input type="checkbox"/> 3-D Animation and Video Compositing<br><input type="checkbox"/> Advanced Digital Media Design & Production<br><input type="checkbox"/> Advanced Video Game Programming<br><input type="checkbox"/> Architecture Design and Construction<br><input type="checkbox"/> C.A.D. (Computer Aided Design)<br><input type="checkbox"/> C.A.D. II (Computer Aided Design)<br><input type="checkbox"/> Cisco Systems Networking Academy: Part 1<br><input type="checkbox"/> Cisco Systems Networking Academy: Part 2<br><input type="checkbox"/> Cisco Systems Networking Academy: Part 3<br><input type="checkbox"/> Cisco Systems Networking Academy: Part 4<br><input type="checkbox"/> Civil and Structural Engineering<br><input type="checkbox"/> Data Structures<br><input type="checkbox"/> Digital Media Design and Production<br><input type="checkbox"/> Digital Video Editing<br><input type="checkbox"/> Graphic Design and Production<br><input type="checkbox"/> Introduction to Java<br><input type="checkbox"/> Introduction to Video Game Programming<br><input type="checkbox"/> Mechanical Engineering<br><input type="checkbox"/> Photography<br><input type="checkbox"/> Pre-Engineering<br><input type="checkbox"/> Television Production<br><input type="checkbox"/> Television Production: Producer<br><input type="checkbox"/> Visual Basic I<br><input type="checkbox"/> Wood Technology/Materials Processing - Level I<br><input type="checkbox"/> Wood Technology/Materials Processing - Level II |

List Other Electives:  \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_  
 \_\_\_\_\_  \_\_\_\_\_  \_\_\_\_\_

## Graduation Final Checklist for Pathway & Scholars Diploma

| Pathway Diploma   |              |
|---|--------------|
| Course Requirements   | # of Credits |
| 4.0 English Credits   |              |
| 4.0 Social Studies Credits  |              |
| 4.0 Math Credits  |              |
| 4.0 Science Credits   |              |
| 2.0 Wellness (PE/Health) Credits  |              |
| 1.0 Arts/Design Credit (different options for each Pathway)               |              |
| 0.25 Career Exploration Credit  |              |
| 0.5 Personal Finance Credit   |              |
| 0.25 FCS  |              |
| 1.0 Computer Technology (different options for each Pathway)              |              |
| 1.0–3.0 World Language (Level II Minimum) ( <i>depending on Pathway</i> ) |              |
| 0.5 Grad Project  |              |
| 0.5 Real-World Experience   |              |
| 4.0–6.0 Credits Career Electives ( <i>depending on Pathway</i> )          |              |
| Other Electives   |              |
| <i>Total Credits (29 needed) =</i>  |              |
|   |              |
| Must Have:  | √            |
| Distinguished on Grad. Project in Pathway                                 |              |
| NMTCC Industry Certification (NMTCC students only)                        |              |
| Minimum GPA of 2.88 (B-)  |              |
| 1 Credit AP/Dual Credit (or Proficient on NOCTE for NMTCC)                |              |
| Level II of World Language  |              |

| Scholars Diploma   |              |
|--|--------------|
| Course Requirements  | # of Credits |
| 4.0 English Credits  |              |
| 4.0 Social Studies Credits   |              |
| 4.0 Math Credits   |              |
| 4.0 Science Credits  |              |
| 2.0 Wellness (PE/Health) Credits                                       |              |
| 1.0 Arts/Design Credit   |              |
| 0.25 Career Exploration Credit   |              |
| 0.5 Personal Finance Credit  |              |
| 0.25 FCS   |              |
| 1.0 Computer Technology  |              |
|  |              |
| 0.5 Grad Project   |              |
| 0.5 Real-World Experience  |              |
| 7.0 Credits Electives  |              |
| <i>Total Credits (29 needed) =</i>                                     |              |
|  |              |
| Must Have:   | √            |
| Distinguished on Grad. Project   |              |
| Advanced on the NOCTE (NMTCC students only)                            |              |
| Minimum GPA of 3.85  |              |
| 5 College-Level (AP/Dual Enrollment) across 3 Disciplines              |              |
| Advanced Performing (Honors) or Fine Arts or World Language (Level IV) |              |
| Advanced on all PSSAs/Keystones  |              |
| 4 or better on 2 APs in Junior Year                                    |              |