

ENGINEERING TECHNOLOGIES A.A.S.**Associate in Applied Science****Industrial Engineering Concentration****Degree Sheet**

2024 - 2025 Catalog

| General Education Courses | | | 22 Credit Hours | Credit Hours | Prerequisites |
|---|------|---|-----------------|--------------|---------------------------------|
| ENGL | 1113 | English Composition I | | 3 | [R] [W] |
| Select One: | | | | 3 | ENGL 1113 |
| ENGL | 1213 | English Composition II | | | |
| ENGL | 2333 | Introduction to Technical Report Writing | | | |
| Select One: | | | | 3 | [R] [W] |
| SPCH | 1113 | Introduction to Speech Communication | | | |
| SPCH | 2723 | Interpersonal Communication | | | |
| Select One: | | | | 3 | [R] [W] |
| HIST | 1483 | U.S. History to 1865 | | | |
| HIST | 1493 | U.S. History since 1865 | | | |
| POLS | 1113 | American Government | | 3 | [R] [W] |
| MATH | 1513 | Precalculus I | | 3 | [M] |
| PHYS | 1114 | General Physics I | | 4 | [R], MATH 1483 or MATH 1513 |
| Support and Related Courses | | | 3 Credit Hours | | |
| CIS | 1123 | Programming Fundamentals | | 3 | [R] |
| Technical Occupational Specialty | | | 35 Credit Hours | | |
| ENGT | 1001 | Introduction to Industry | | 1 | [R] [W] |
| ENGT | 1113 | Essentials of Mechanical & Architectural Drafting | | 3 | None |
| ENGT | 1103 | Introduction to Manufacturing Processes and Materials | | 3 | [R] [W] [M] |
| ENGT | 1104 | Fundamentals of Electricity | | 4 | Coreq: MATH 1513 |
| ENGT | 1203 | Introduction to Additive Manufacturing | | 3 | None |
| ENGT | 2313 | Hydraulics and Mechanical Systems | | 3 | None |
| ENGT | 2303 | Quality Methods in Engineering | | 3 | ENGT 1103, MATH 1513 |
| ENGT | 2333 | Programmable Logic Controllers | | 3 | CIS 1123 |
| ENGT | 2323 | Process Management | | 3 | ENGT 1103 |
| ENGT | 2473 | Advanced Quality Methods | | 3 | ENGT 2303, ENGL 2333, MATH 1513 |
| ENGT | 2483 | Manufacturing Techniques | | 3 | ENGT 1103, ENGT 1203 |
| <i>Select one of the following for 3 credit hours of approved electives</i> | | | | | |
| ENGT | 2443 | Engineering Instrumentation | | 3 | ENGT 2303 |
| ITD | 2453 | Industrial Data Communications | | 3 | [R] |

Total to Graduate**60****ADDITIONAL GRADUATION REQUIREMENTS:**

- 2.0 Graduation/Retention GPA
- 15 credit hours earned in residence at OSU-OKC
- Students must complete the prerequisite course with a grade of 'C' or better to advance to the next course in the required sequence

NOTES LEGEND:

- FA= Fall, SP=Spring, SU=Summer
 [R] Reading Proficiency/Placement
 [W] Writing Proficiency/Placement
 [M] Math Proficiency/Placement