# TRANSFER PATHWAY GUIDE
# 2023-2024

Associate of Applied Science in Mechanical Engineering Technology – Manufacturing Management Major To Bachelor of Science in Mechanical and Manufacturing Engineering Technology

### *Overview*

Completion of the following curriculum will satisfy the requirements for the Associate of Applied Science (AAS) in Mechanical Engineering Technology – Manufacturing Management Major (METM) degree at Cincinnati State (CState) and leads to the Bachelor of Science (BS) in Mechanical and Manufacturing Engineering Technology degree at Northern Kentucky University (NKU).

### *Applying to the CState2NKU Program*

Students can apply to participate in the pathway program by completing the online application on the NKU transfer webpage. Students must be enrolled in at least six credit hours at Cincinnati State, enrolled

or oversight of more advanced mechanical systems and processes.

This bachelor's degree program is designed to provide students with the knowledge and skills needed to succeed as engineers in today's industry. Students are required to co-op in industry starting with their second year, which often continues and leads to full-time employment. Together with the study of engineering principles, design is the cornerstone of the mechanical and manufacturing engineering technology degree program.

The MMET program is accredited by the Engineering Technology Accreditation Commission of ABET (http://www.abet.org).

### *Degree Requirements for NKU*

To earn a bachelor's degree at NKU, students must complete a minimum of 120 credit hours with at least 45 credit hours numbered 300 and above. In addition, at least 25% of the credit hours required for the degree and the last 30 credit hours must be completed at NKU. Students must have an overall GPA of 2.0 and meet all requirements for the major.

### *Advising Note*

Students in the CState2NKU program should work closely with their advisors when choosing courses. This document serves as a guide but does not replace academic advising. When choosing Cincinnati State courses, student may also consult the Associate of Arts advising brochure or the catalog for A and B list courses in Arts and Humanities or Social and Behavioral Sciences.

| NKU Course | Course | Credits | CState Course | Taken at CState |
|---|---|---|---|---|
| EGT 212 | Computer-Aided Drafting and Design | 3 | MET 131 | x |
| EGT 260 | Industrial Standards, Safety, and Codes | 3 | | |
| EGT 261 | Engineering Materials | 3 | MET 140 | x |
| EGT 265 | Manufacturing Processes and Metrology | 3 | MET 111 | x |
| EGT 267 | Programming for Engineering Applications | 3 | CIT 130 | |
| EGT 300 | Statics and Strength of Materials | 3 | MET 150 | x |
| EGT 301 | Cooperative Education in Engineering Technology | 3 | MET 291 and MET 292 | x |
| EGT 310 | Project Management and Problem Solving | 3 | | |
| EGT 320 | Robotic Systems and Material Handling | 3 | | |
| EGT 340 | Applied Dynamics | 3 | | |
| EGT 361 | Fluid Power | 3 | MET 240 | x |
| EGT 365 | CNC & Manufacturing Process Planning | 3 | MET 112 + MET 113 = EGT 365 + EGT 300T | x |
| EGT 386 | Electro-Mechanical Instrumentation & Control | 3 | | |
| EGT 405 | Metrology and Geometric Tolerancing | 3 | | |
| EGT 416 | Capstone I | 1 | | |
| EGT 417 | Capstone II | 3 | | |
| EGT 450 | Thermodynamics and Heat Transfer | 3 | MET 260 | |

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