

MANUFACTURING & PROCESS TECHNOLOGY (AAS-T)

The Manufacturing and Process Technology degree provides students a broad range of career and academic options. Students can select direct entry into the workforce in areas such as manufacturing, processing, and facility operations by customizing their second-year courses. Students can also tailor their degree to take advantage of transfer pathways.

General Education Requirements:

CMST& 220 – Public Speaking (5)
or CMST& 210 – Interpersonal Communication (5)
ENGL& 101 – Composition I (5)
MAP 117 – Applied Math for Workforce Programs (5)
PSYC& 100 – General Psychology (5)
or SOC& 101 – Introduction to Sociology (5)

BIM 109 – Internet Communications (1)
BIM 110 – Microsoft Office Essentials (2)
FAD 150 – Industrial First Aid & CPR (2)
IST 100 – Introduction to Industrial Safety & Health (5) (5 credit course currently under development)
IST 102 – Technical Drawing Interpretation (3)
MCT or IST Electives (12)

Technical Skill Courses:

BUS 135 – Logistics, Transportation, Supply Chain (3)
BUS 200 – Supervision (5)
BUS 215 – Customer Service (5)
CS 104, 105, 110, 115, 195, 197, 295, 297
CS 111, &131, 132, 235
IST 105 – 297
MCT 100 – Introduction to Modern Technology (5)
MCT 101 – Mechatronics I (5)
MCT 102 – Mechatronics II (5)
MCT 103 – Mechatronics III (5)
WKED 101 – Professional Preparation I (1)
WKED 102 – Professional Preparation II (1)
WKED 103 – Professional Preparation III (1)
WKED 110 – Mission Critical Ops Management I (3)
WKED 111 – Mission Critical Ops Management II (5) (currently under development)

Transfer Pathway Courses:

MATH& 141 – 163 (minimum of 5 credits required)
CHEM& 105 – Chemical Concepts (5)
or CHEM& 110 – Chemical Concepts with Lab (5)
or CHEM& 121 – Introductory Chemistry (5)
or CHEM& 161 – General Chemistry I (5)
or CHEM& 162 – General Chemistry II (5)
ECON& 201 – Microeconomics (5)
or ECON& 202 – Macro Economics (5)

ENGL& 102 – Composition II (5)
or ENGL& 235 – Technical Writing (5)
ENGR& 111 – Engineering Graphics I (CAD) (5)
ENGR& 112 – Engineering Graphics II (Solidworks) (5)
PHYS& 110 – Physics for Non-Science Majors (5)
or PHYS& 114 – General Physics I with Lab (5)

MANUFACTURING & PROCESS SUPPORT CERTIFICATE OF ACHIEVEMENT

As students make progress toward the completion of the Associate of Applied Science – Transfer degree (AAS-T) they will also earn a Certificate of Achievement. The certificate incorporates fundamental skills and knowledge needed to be successful in entry-level positions.

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