## Manufacturing Engineering Technologies AAT/AAS-T Degree

Program Start: Summer, Fall, Winter, and Spring Program Length: 6 Quarters Prerequisites: Yes Total College Credits: 90-123 AAS-T Degree has additional General Education Requirements.

Students are encouraged to check with the RS counselor for more information about program requirements.

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| High School | College |
| Core Science Credit | Systems Approach – MEC 201/MET 111 (5 credits) Total Mechatronics – MEC 202/MET113 (5 credits) DC Circuits – MEC 115 (5 credits)  AC Circuits – MEC 116 (5 credits)  Applied Statics & Strength Materials – MEC 128/MET 122 (5 credits) CAD/CAM/CNC Mills – MET 131 (5 credits)  Fixturing & Workflows – MET 133 (3 credits) CAN/CAM/CNC Lathes – MET 141 (5 credits) Robotics – MEC 165/MET 142 (5 credits)  Multi-Axis CAD/CAM/CNC – MET 211 (5 credits) Additive Manufacturing – MET 212 (5 credits) |
| Core Math Credit | Mathematics for Industrial Professionals – MAT 105 (5 credits) Precalculus I – MATH& 141 (5 credits)  Manual Machining – MET 121 (5 credits) |
| Core English Credit | English Composition I – ENGL& 101 (5 credits) |
| Core Social Studies | General Psychology – PSYC& 100DIV (5 credits)  Introduction to Sociology – SOC& 101DIV (5 credits) Lean Manufacturing – MEC 132/MET 132 (5 credits) |
| Core Art Credit | Computer Aided Design I/Computer-Aided Design for Manufacturing – MEC 120/MET 112 (5 credits) 2D Cutting CAD/CAM/CNC – MET 123 (3 credits)  Generative Design – MET 213 (3 credits) Creative Engineering Lab – MET 298 (5 credits) |
| CTE Credits/Optional Elective | College Success for All – COLL 102 (3 credits) Programming & Macros – MET 143 (3 credits) Industrial Survey – MEC 163/MET 221 (5 credits) Internship – MEC 289/MET 222 (5 credits) Production Supervisor – MET 223 (3 credits)  Training & Practice – MET 299 (1 -5 credits) |