| PROGRAM ARTICULATION DEGREE PLAN | | | | | |
|---|---|---|---|---|---|
| ***College of DuPage*** | ***2021-2022*** | | ***Southern Illinois University Carbondale*** | | |
| AAS Manufacturing Engineering Technology - 67 hrs | | | BS Industrial Management and Applied Engineering (IMAE) Quality Management Specialization - 120 hrs | | |
| **General Education** | | | **University Core Curriculum (UCC) CAPSTONE OPTION - 30 hrs** | | |
| | | **Hrs** | | | **Hrs** |
| | | | UNIV 101 | Saluki Success | NA |
| SPEEC 1100 | Fundamentals of Speech Communication | 3 | CMST 101 | Intro to Oral Communication | T |
| ENGLI 1101 | English Composition I | 3 | ENGL 101 | English Composition I | T |
| | | | ENGL 102 | English Composition II | NA |
| MATH 1431 -and- 1432 | Precalculus I -and- Precalculus II | 8 | MATH 108 -and- 109 | College Algebra -and- Trig & Analytic Geometry | T |
| PSYCH 1100 | General Psychology | 3 | PSYC 102 | Intro to Psychology | T |
| | | | SOCIAL SCIENCE | | 3 |
| | Humanities | 3 | HUMANITIES | *See SIUC Transfer Equivalency Guide* | T |
| | | | HUMANITIES | | NA |
| PHYSI 1201 | General Physics I | 5 | PHYS 203A -and- 253A | College Physics w/Lab | T |
| | | | LIFE SCIENCE | | 3 |
| | | | FINE ARTS | | 3 |
| | | | HUMAN HEALTH | | NA |
| | Contemporary Life Skills | 2 | MULTICULTURAL | *See SIUC Transfer Equivalency Guide* | T |
| | | **27** | | | **9** |
| | | | | | |
| **Program Requirements** | | | **Program Requirements** | | |
| ELECT 1100 | Electricity & Electronics Fundamentals | 3 | **Any unarticulated courses will be used to satisfy general elective credit** | | |
| ELMEC 1141 | Hydraulics & Pneumatics | 3 | | | |
| MANUF 1101 | Industrial Design/CAD | 3 | | | |
| MANUF 1121 | Physical Metallurgy | 3 | | | |
| MANUF 1160 | Technical Static & Strength of Material | 4 | | | |
| MANUF 1180 | Quality Control | 3 | | | |
| MANUF 2251 | Computer Numerical Control (CNC) | 3 | | | |
| MANUF 2253 | Computer-Aided Manufacturing (CAM) | 3 | | | |
| MANUF 2281 | Cost Analysis | 2 | | | |
| MANUF 1151 | Machine Shop I | 3 | IMAE 208 | Fundamentals of Manufacturing Processes | T |
| MANUF 2202 | Solid Modeling & Design | 3 | IMAE 208 | Fundamentals of Manufacturing Processes | T |
| MANUF 2203 | Manufacturing Processes & Design | 3 | IMAE 208 | Fundamentals of Manufacturing Processes | T |
| MATH 1635 | Statistics | 4 | MATH 282 | Intro to Statistics | T |
| | | **40** | | | |
| | | | PHYS 203B -and- 253B | College Physics w/Lab | 4 |
| | | | IMAE 110 | Geometric Dimensioning & Tolerancing | 3 |
| | | | IMAE 305 | Industrial Safety | 3 |
| | | | IMAE 307 -or- MATH 140 | Applied Calculus for Tech -or- Short Course in Calculus | 3 |
| | | | PSYC 323 or IMAE 340* | Organizational Psychology or Intro to Supervision | 3 |
| | | | IMAE 375 | Production & Inventory Management | 3 |
| | | | IMAE 390 | Cost Estimating | 3 |
| | | | IMAE 392 | Facilities Planning & Workplace Design | 3 |
| | | | IMAE 442 | Fundamentals of Leadership | 3 |
| | | | IMAE 445 | Computer Integrated Manufacturing | 3 |
| | | | IMAE 450 | Project Management | 3 |
| | | | IMAE 465 | Lean Manufacturing | 3 |
| | | | IMAE 470A | Six Sigma Green Belt I | 3 |
| | | | IMAE 470B | Six Sigma Green Belt II | 3 |
| | | | IMAE 476 | Supply Chain Management | 3 |
| | | | IMAE Electives | 300/400 level | 3 |
| | | | | | **49** |
| | | | | | |
| **Total semester hrs completed w/AAS degree:** | | **67** | **Total semester hrs completed w/BS degree:** | | **58** |
| | | | | | |
| | | | **Total hours to BS Degree:** | | **125** |
| | | | | | |
| | | | *PSYC 323 instead of IMAE 340 is an option for on-campus students only | | |
| *Degree Plan created on 9/21/21 by SG* | | | | | |