| Richland Community College | 2021-2022 | | Southern Illinois University Carbondale | | |
|---|---|---|---|---|---|
| AAS Engineering Technology - Manufactur | ring Engineering Technology Specialty - 64 hrs | | BS Industrial Management and Applied Enginee | | |
| | | | University Core Curriculum (UCC) Capstone | e Option - 30 hrs | |
| | | Hrs | | | Hrs |
| | | | UNIV 101 | Saluki Success | NA |
| ENGL 101 | English Composition I | 3 | ENGL 101 | English Composition I | Т |
| | | | ENGL 102 | English Composition II | NA |
| COMM 101 | Public Speaking | 3 | CMST 101 | Intro to Oral Communication | T |
| MATH 116* | College Algebra | 4 | MATH 108 (Required for BS degree) | College Algebra | Ť |
| | IAI SOCIAL SCIENCE | 3 | SOCIAL SCIENCE | (See SIUC Equivalency Guide) | T |
| | IN SOCIAL SCIENCE | 5 | SOCIAL SCIENCE | (See Side Equivalency Guide) | 3 |
| | | | HUMANITIES | | 3 |
| | | | | | |
| | | | HUMANITIES | | NA |
| PHYS 101 | Intro to Physics I | 4 | PHYS 203/253A (Required for BS degree) | College Physics/Lab | T |
| | | | LIFE SCIENCE, GRP II | Students take 2 physics courses | NA |
| | | | FINE ARTS | | 3 |
| | | | HUMAN HEALTH | | NA |
| *Recommended to fulfill BS requirement | | | MULTICULTURAL | | 3 |
| | | 17 | | | 12 |
| | | | | | |
| Program Requirements | | | Program Requirements | | |
| ENGT 101 | Motor Control Fundamentals | 4 | | | |
| ENGT 103 | Fluid Power Fundamentals | 3 | 1 | | |
| ENGT 104 | CNC Fundamentals | 3 | - | | |
| ENGT 104 ENGT 105 | | 3 | - | | |
| ENGT 105 | Occupational Safety | | - | | |
| | Motor Control Applications | 4 | | | |
| | | | | | |
| ENGT 131 | Maintenance Fundamentals | 4 | The AAS degree in Engineering Technolog | uv - Manufacturing Engineering Technology as articulated fulfil | Is the 22 |
| ENGT 131 ENGT 160 | Maintenance Fundamentals Metrology and Quality Control | 3 | | yy - Manufacturing Engineering Technology as articulated fulfil r the BS degree in Industrial Management & Applied Engineeri | |
| ENGT 131 ENGT 160 ENGT 200 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials | 3 | | y - Manufacturing Engineering Technology as articulated fulfil r the BS degree in Industrial Management & Applied Engineeri | |
| ENGT 131 ENGT 160 | Maintenance Fundamentals Metrology and Quality Control | 3 | | | |
| ENGT 131 ENGT 160 ENGT 200 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials | 3 | | | |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications | 3 3 3 2 | | | |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & | 3 3 3 | | | |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) | 3 3 3 2 3 | | | |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 | 3 3 3 2 3 4 | hrs of technical electives required for | r the BS degree in Industrial Management & Applied Engineeri | ng. |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications | 3 3 3 2 3 4 2 | hrs of technical electives required for | r the BS degree in Industrial Management & Applied Engineerin | ng. |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 3 2 3 4 2 3 | CS 200B IMAE 208 (Required for BS degree) | r the BS degree in Industrial Management & Applied Engineerin Computer Concepts Fundamentals of Manufacturing Processes | ng. |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for | r the BS degree in Industrial Management & Applied Engineerin | ng. |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 3 2 3 4 2 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) | r the BS degree in Industrial Management & Applied Engineerin Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing | ng. |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B | r the BS degree in Industrial Management & Applied Engineerin Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab | ng. |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 | r the BS degree in Industrial Management & Applied Engineerin Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety | ng. |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 | r the BS degree in Industrial Management & Applied Engineerin Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus | ng. T T T 4 3 3-4 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 307 - or- MATH 140 IMAE 307 - or- MATH 140 IMAE 340 - or- PSYC 323** | r the BS degree in Industrial Management & Applied Engineerin Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology | ng. T T T 4 3 3-4 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 307 IMAE 307 or- MATH 140 IMAE 340 - or- PSYC 323** IMAE 375 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management | ng. T T 4 3 -4 3 -4 3 -4 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 307 - or- MATH 140 IMAE 307 - or- MATH 140 IMAE 340 - or- PSYC 323** | r the BS degree in Industrial Management & Applied Engineerin Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology | ng. T T T 4 3 3-4 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 307 IMAE 307 or- MATH 140 IMAE 340 - or- PSYC 323** IMAE 375 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating | ng. T T 4 3 -4 3 -4 3 -4 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 375 IMAE 375 IMAE 390 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management | ng. T T T 4 3 3-4 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 307 IMAE 307 - or- MATH 140 IMAE 340 - or- PSYC 323** IMAE 375 IMAE 392 IMAE 442 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership | ng. T T 4 3 3-4 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 390 IMAE 392 IMAE 442 IMAE 445 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing | ng. T T 4 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 445 IMAE 445 IMAE 450 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management | ng. T T T 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 340 -or- PSYC 323** IMAE 375 IMAE 375 IMAE 390 IMAE 445 IMAE 445 IMAE 450 IMAE 465 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing | ng. T T T 4 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) IMAE 305 IMAE 307 -or- MATH 140 IMAE 307 -or- MATH 140 IMAE 375 IMAE 375 IMAE 375 IMAE 392 IMAE 442 IMAE 445 IMAE 445 IMAE 465 IMAE 470A | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I | ng. T T 4 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) IMAE 310 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 304 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt I | ng. T T 4 3 3-4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 307 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 445 IMAE 450 IMAE 450 IMAE 470B IMAE 470B IMAE 476 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Six Digma Chain Management | ng. T T 4 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) IMAE 310 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 304 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt I | ng. T T T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 307 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 445 IMAE 450 IMAE 450 IMAE 470B IMAE 470B IMAE 476 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt II Six Digma Chain Management | ng. T T T 4 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 ENGT 102 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes Blueprint Reading | 3 3 3 2 3 4 2 3 3 4 7 47 | hrs of technical electives required for IMAE 208 (Required for BS degree) IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 300 - or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 476 IMAE Electives | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level) | ng. T T T 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes Blueprint Reading | 3 3 2 3 4 2 3 3 3 | hrs of technical electives required for CS 200B IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 307 -or- PSYC 323** IMAE 375 IMAE 390 IMAE 390 IMAE 392 IMAE 445 IMAE 450 IMAE 450 IMAE 470B IMAE 470B IMAE 476 | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level) | ng. T T T 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 |
| ENGT 131 ENGT 160 ENGT 200 ENGT 213 ENGT 252 ENGT 290 (or ENGT 295 or ENGT 299) DRAFT 236 CIS 110 ENGT 100 ENGT 102 | Maintenance Fundamentals Metrology and Quality Control Industrial Materials Robotic Fundamentals CAM Applications Workplace Exp. Practicum & Seminar (or Workplace Simulation & Project or Systems Integration) Solid Modeling 2 Computer Business Applications Manufacturing Processes Blueprint Reading | 3 3 3 2 3 4 2 3 3 4 7 47 | hrs of technical electives required for IMAE 208 (Required for BS degree) IMAE 208 (Required for BS degree) IMAE 110 (Required for BS degree) PHYS 203B/253B IMAE 305 IMAE 307 -or- MATH 140 IMAE 300 - or- PSYC 323** IMAE 375 IMAE 390 IMAE 392 IMAE 442 IMAE 445 IMAE 450 IMAE 450 IMAE 470A IMAE 470B IMAE 476 IMAE Electives | Computer Concepts Fundamentals of Manufacturing Processes Geometric Dimensioning & Tolerancing College Physics/Lab Industrial Safety Applied Calculus for Technology -or- Short Course in Calculus Intro to Supervision -or- Organizational Psychology Production & Inventory Management Cost Estimating Facilities Planning & Workplace Design Fundamentals of Leadership Computer Integrated Manufacturing Project Management Lean Manufacturing Six Sigma Green Belt I Six Sigma Green Belt I Six Sigma Green Belt II Supply Chain Management (Must be at 300/400 level) | ng. T T 4 3 3 4 3 3 3 3 3 3 3 3 3 3 3 3 3 |