

| Mechatronics and Robotics Courses and Equivalencies | | | |
|--|-----------------------------------|---|--------------------------------------|
| Level 1 (September - December, 15 weeks) | | Equivalent daycourse | Equivalent Part Time/ Dist Ed |
| COMM 1164 | Technical Writing 1 for Robotics | COMM 1143 | COMM 1103 |
| ELEX 1205 | DC Circuit Analysis for Robotics | ELEX 1105 | ELEX 1105 |
| ELEX 1215 | Digital Techniques 1 for Robotics | ELEX 1117* | ELEX 1117* |
| MATH 1342 | Technical Math for Robotics | MATH 1431 | |
| MECH 1104 | Computer Aided Design | MECH 1102 or MECH 1000 and AICO 4044 or AICO 4048 | |
| PHYS 1164 | Physics for Robotics 1 | PHYS 1143 or PHYS 1301 | PHYS 1301 |
| Level 2 (January - May, 20 weeks) | | | |
| ELEX 2205 | AC Circuits for Robotics | ELEX 2105 | ELEX 2105 |
| ELEX 2220 | Digital and Electronic Circuits | ELEX 2117 & 2120 | ELEX 2117 & 2120 |
| MATH 2342 | Calculus for Robotics | MATH 2431 | MATH 2041, 2042, and 2044 |
| MECH 1210 | Manufacturing Processes | | |
| PHYS 2164 | Applied Physics 2 for Robotics | | PHYS 2301 |
| ROBT 1270 | C Programming | ELEX 2125* | ELEX 2125* |
| Level 3 (September - December, 15 weeks) | | | |
| ELEX 3321 | Electronics Circuits 2 (Robotics) | ELEX 3120 (was ELEX 3320) | |
| MATH 3342 | Transform Calculus (Robotics) | | |
| MECH 3355 | Fluid Power 1 | | |
| ROBT 3341 | Robot Applications | | |
| ROBT 3351 | Automation Equipment | | |
| ROBT 3356 | Controller Systems | | |
| Level 4 (January - May, 20 weeks) | | | |
| COMM 2464 | Technical Writing 2 for Robotics | | |
| ELEX 4336 | Feedback Systems | | |
| MECH 0460 | Ethics for Technologists | | |
| MECH 4455 | Fluid Power 2 (15 weeks) | | |
| OPMT 1184 | Industrial Engineering | | |
| ROBT 4451 | Sensor Interfacing | | |
| ROBT 4456 | PLC Applications (15 weeks) | | |
| ROBT 4491 | Mechatronics Project | | |
| | | *65% min. grade for credit | *65% min. grade for credit |