

# Mechatronics Technology

## Diploma

MTD2

### Curriculum

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<b>Basic Skills</b>	<b>8</b>
ENGL 1010 Fundamentals of English I	3
<i>Choose ONE Math course:</i>	3
MATH 1012 Foundations of Mathematics	
MATH 1013 Algebraic Concepts	
<i>Choose ONE Social/Behavior Science course:</i>	2
EMPL 1000 Interpersonal Relations and Professional Development	
PSYC 1010 Basic Psychology	
<b>Occupational Courses</b>	
<b>Required Courses:</b>	<b>39</b>
<i>Choose ONE course:</i>	
IDFC 1013 Solid State Devices I (3) <b>OR</b>	
ECET 1111 Digital Systems I (3) + ECET 1111L Digital Systems I Lab (1) <b>OR</b>	
ECET 2111 Digital Systems II (3) + ECET 2111L Digital Systems II Lab (1)	
<i>Choose ONE course:</i>	
IDSY 1101 DC Circuit Analysis (3) <b>OR</b>	
IDFC 1011 Direct Current I (3) <b>OR</b>	
ELTR 1010 Direct Current Fundamentals (3) <b>OR</b>	
ECET 1102 Circuit Analysis I (3) + ECET 1102 Circuit Analysis I Lab (1)	
<i>Choose ONE course:</i>	
IDSY 1105 AC Circuit Analysis (3) <b>OR</b>	
IDFC 1012 Alternating Current I (3) <b>OR</b>	
ELTR 1020 Alternating Current (3) <b>OR</b>	
ECET 2102 Circuit Analysis II (3) + ECET 2102 Circuit Analysis II Lab (1)	
IDSY 1110 Industrial Motor Controls I (4)	
IDSY 1120 Basic Industrial PLCs (4)	
IDSY 1190 Fluid Power Systems (4)	
IDSY 1210 Industrial Motor Controls II (4)	
IDSY 1220 Intermediate Industrial PLCs (4)	
IDSY 1230 Industrial Instrumentation (4)	
AUMF 1150 Industrial Instrumentation (3)	
MCTX 2250 Mechatronics Capstone (3)	

**Total Credit Hour (minimum):**

**39**