



| Fall Term 1     9 credit hours  |  | Hours    | Notes                                              |
|---------------------------------|--|----------|----------------------------------------------------|
| • ELT 183 Digital Circuits      |  | 3        |                                                    |
| 1 <sup>st</sup> 8 weeks         |  |          |                                                    |
| • ELT 111 DC Electrical Systems |  | 3        |                                                    |
| 2 <sup>nd</sup> 8 weeks         |  |          |                                                    |
| • ELT 112 AC Electrical Systems |  | 3        | Prerequisites: ELT 111 (may be taken concurrently) |
| <b>Term hours subtotal:</b>     |  | <b>9</b> |                                                    |

| Spring Term 1     13 credit hours            |  | Hours     | Notes                              |
|----------------------------------------------|--|-----------|------------------------------------|
| • ELT 126 Solid State Devices                |  | 3         | Prerequisites: ELT 111 and ELT 112 |
| • AIT 115 Hydraulic Systems                  |  | 3         |                                    |
| • AIT 120 Pneumatic Systems                  |  | 3         |                                    |
| 1 <sup>st</sup> 8 weeks                      |  |           |                                    |
| • ELT 162 Microprocessors & Microcontrollers |  | 2         | Prerequisites: ELT 183             |
| 2 <sup>nd</sup> 8 weeks                      |  |           |                                    |
| • ELT 165 Programmable Logic Controllers     |  | 2         | Prerequisites: ELT 101 or ELT 111  |
| <b>Term hours subtotal:</b>                  |  | <b>13</b> |                                    |

| Fall Term 2     6 credit hours                                                         |  | Hours    | Notes                  |
|----------------------------------------------------------------------------------------|--|----------|------------------------|
| • ELT 271 Process Control Instrumentation                                              |  | 3        | Prerequisites: ELT 126 |
| • AGS 101 Microcomputers in Agriculture <b>OR</b> CSA 125 Microsoft Office for Windows |  | 3        |                        |
| <b>Term hours subtotal:</b>                                                            |  | <b>6</b> |                        |

| Spring Term 2     5 credit hours     |  | Hours    | Notes                              |
|--------------------------------------|--|----------|------------------------------------|
| • ELT 272 Motors and Motor Controls  |  | 3        | Prerequisites: ELT 126             |
| • ELT 258 Electronic Troubleshooting |  | 2        | Prerequisites: ELT 126 and ELT 162 |
| <b>Term hours subtotal:</b>          |  | <b>5</b> |                                    |

*This recommended sequence is not a binding agreement of any kind between Yavapai College and the student, but merely represents a potential curriculum that may be altered as appropriate to meet the student's academic objectives. Course availability is subject to change and all courses are not available every semester. Students should inquire each semester with their Advisor before registering to determine current requirements and possible changes to the suggested curriculum.*