**4 Year Degree Program**

**Suggested Schedule of Courses for Full-time Electrical Engineering Students**

**First Year**

**Fall**

* [MA 171 - Calculus A](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20851)
* [CH 121 - General Chemistry I](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20237)
* [CH 125 - General Chemistry Laboratory I](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20240)
* HY101- Western Civilization
* [EH 101 - Freshman Composition](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20513)
* [EE 100 - Fundamentals of Computer, Electrical and Optical Engineering](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20471)

**17 Semester Hours**

**Spring**

* [MA 172 - Calculus B](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20852)
* [PH 111 - General Physics with Calculus I](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=21154)
* [PH 114 - General Physics Laboratory I](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=21157)
* [EH 102 - Freshman Composition](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20514)
* HY102-Western Civilization II
* [CPE 112 - Introduction to Computer Programming in Engineering](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20351)

**17 Semester Hours**

**34 Total Semester Hours**

**Second Year**

**Fall**

* [MA 201 - Calculus C](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20853)
* [PH 112 - General Physics with Calculus II](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=21155)
* [PH 115 - General Physics Laboratory II](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=21158)
* [MA 244 - Introduction to Linear Algebra](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20857)
* [EE 202 - Introduction to Digital Logic Design](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20473)
* ARH 101- Art History Survey Renaissance

**17 Semester Hours**

**Spring**

* [EE 203 - Digital Logic Design Lab](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20474)
* [MA 238 - Applied Differential Equations](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20856)
* [EE 213 - Electrical Circuit Analysis I](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20475)
* [PH 113 - General Physics with Calculus III](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=21156)
* [PH 116 - General Physics Laboratory III](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=21159)
* [CPE 221 - Computer Organization](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20354)

**15 Semester Hours**

**32 Total Semester Hours**

**Third Year**

**Fall**

* [EE 307 - Electricity and Magnetism](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20478)
* [EE 310 - Solid State Fundamentals](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20479)
* [EE 313 - Electrical Circuit Analysis II](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20480)
* [EE 382 - Analytical Methods for Continuous Time Systems](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20483)
* [CPE 323 - Introduction to Embedded Computer Systems](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20355)
* [CPE 325 - Embedded Systems Laboratory](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=22468)

**16 Semester Hours**

**Spring**

* [EE 383 - Analytical Methods for Multivariable and Discrete Time Systems](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20484)
* [EE 384 - Digital Signal Processing Laboratory](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20485)
* [EE 315 - Introduction to Electronic Analysis and Design](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20481)
* [EE 308 - Electromagnetic Engineering](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20505)
* [EE 316 - Electrical Circuits and Electronics Design Laboratory](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=22469)
* [EE 386 - Introduction to Control and Robotic Systems](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20497)
* [EE 385 - Random Signals and Noise](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20492)

**17 Semester Hours**

**32 Total Semester Hours**

**Fourth Year**

**Fall**

* HY103-World History to 1500
* ARH300- Italian Art
* ISE 321 – Engineering Economy (Counts as Tech Elective)
* EE416- Electronics II (First of Sequence Electives)
* EE424- Introduction to Data Communication Networks

**15 Semester Hours**

**Spring**

* EE426- Digital Electronics (Second of Sequence Electives)
* EE453- Laser Systems (Tech Elective)
* HY104-World History since 1500
* [EE 494 - EE Design Projects](http://catalog.uah.edu/preview_course_nopop.php?catoid=9&coid=20509)

**12 Semester Hours**

**30 Total Semester Hours**

**Total Hours 128**

**Note(s):**

\*HU/SS - 18 hours in humanities and social sciences.