### American History

<table>
<thead>
<tr>
<th>Subj-A/ ESL/ Ent- W</th>
<th>Required</th>
<th>Satisfied</th>
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<th>PRE-REQS</th>
<th>TERMS</th>
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<tr>
<td>American History:</td>
<td></td>
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<td>Math 31A</td>
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| *Note:* Students must meet a minimum of 180 units for degree completion. Some HSSEAS majors may exceed the 180 minimum.

### Required Courses

#### FALL
- Math 31A
- Math 31B

#### WINTER
- Math 32A
- Math 32B

#### SPRING
- Math 33A
- Math 33B or MAE 82

#### SUMMER
- Chem 20A
- Chem 20B
- Chem 20L

#### SECOND YEAR

#### FALL
- CS 31 or C&EE M20*
- Physics 1A
- Physics 1B
- Physics 4AL
- Physics 1C
- Natural Science Course

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#### WINTER
- C&EE 91 (formerly 101)

#### SPRING
- CS 31 or C&EE M20*

#### SUMMER
- **Two design courses needed; one must be a capstone course chosen from C&EE 123(G), 144(S), 147(S), 152(H), 157B(E) or 157C

#### THIRD YEAR

#### FALL
- Physics 1A
- Physics 1B
- Physics 4AL
- Physics 1C
- Natural Science Course

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#### WINTER
- C&EE 102

#### SPRING
- C&EE 103
- C&EE C104 or MSE 104
- C&EE 108
- C&EE 110
- C&EE 120
- C&EE 135A
- C&EE 150

#### SUMMER
- C&EE 153

#### FOURTH YEAR

#### FALL
- Physics 1A
- Physics 1B
- Physics 4AL
- Physics 1C
- Natural Science Course

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#### WINTER
- C&EE 103
- C&EE 108
- C&EE 110
- C&EE 120
- C&EE 135A
- C&EE 150

#### SPRING
- C&EE 153
- C&EE Elective #1**
- C&EE Elective #2**
- C&EE Elective #3**
- C&EE Elective #4**
- C&EE Elective #5**
- C&EE Elective #6**

#### SUMMER
- Elective #7 Lab 1
- Elective #8 Lab 2
- TBR #1***
- TBR #2*** Check with OASA office for list of requirements:

#### FIFTH YEAR

#### FALL
- Elective #7 Lab 1
- Elective #8 Lab 2
- TBR #1***
- TBR #2***
- TBR #3***

#### WINTER
- TBR #3***
- TBR #4***

#### SPRING
- TBR #3***
- TBR #4***

#### SUMMER
- TBR #3***
- TBR #4***

Notes:

- Engineering Ethics (satisfies Writing II req.) ENGR 183EW or ENGR 185EW

### General Education Requirements

#### FAH-LCA/PLA/VPA
- Elective 1
- Elective 2

#### FSC-SAN
- Elective 3

#### FSC-HAN
- Elective 4

#### FSI-Life Sci
- Elective 5 Nat.Sci satisfied when taken from list below.

### Natural Science/Life Science GE List:

- C&EE 58SL, Earth, Planetary, and Space Sciences 3, 15, 16, 17, 20, Environment 12, Life Science 1, 2, 7A
- Microbiology, Immunology, and Molecular Genetics 5, 6, or Neuroscience 10

**Note:** C&EE M20 covers MATLAB; if you don’t know MATLAB and are not all that interested in computer programming, consider taking C&EE M20 to prepare for upper-division courses. If you already know MATLAB and are interested in learning a more robust programming language (C++), then select CS 31.

### Optional Courses

#### FAH-LCA/PLA/VPA
- Elective 1
- Elective 2

#### FSC-SAN
- Elective 3

#### FSC-HAN
- Elective 4

#### FSI-Life Sci
- Elective 5 Nat.Sci satisfied when taken from list below.

**Note:** Students must meet a minimum of 180 units for degree completion. Some HSSEAS majors may exceed the 180 minimum.

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