# Department of Aerospace Engineering & Mechanics

**BSAE Program – 123 credit hours | Based on FAC MEETING MINUTES 16.11.29.1 ---17.04.04.1---18.09.19 (AEM-451 is W in SS-19)**

**JUNIOR YEAR**

**Fall**
- 15 credit hours
  - AEM 264
  - AEM 311
  - MATH 238
  - **AEM 313**
  - Aerodynamics
  - ES 3
  - AEM 402

**Spring**
- 15 credit hours
  - AEM 249,
  - or see note 1 in previous page
  - AEM 311
  - MATH 237
  - **AEM 368**
  - Flight Mechanics
  - ES 3
  - [Spring Only]

**SENIOR YEAR**

**Fall**
- 15 credit hours
  - AEM 313
  - AEM 341
  - **AEM 402**
  - Aerospace Design I
  - ES/W 3
  - [Fall Only]

**Spring**
- 16 credit hours
  - AEM 341
  - **AEM 404**
  - Aerospace Design II
  - ES 3
  - [Spring Only]

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**Legend**

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<tr>
<th>Code</th>
<th>Description</th>
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<tr>
<td>C</td>
<td>Computer Requirement</td>
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<tr>
<td>ES</td>
<td>Engineering Science</td>
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<td>FC</td>
<td>Freshman Composition</td>
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<tr>
<td>HI/SB</td>
<td>History/Social &amp; Behavioral Sciences</td>
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<td>HU/L/FA</td>
<td>Humanities/Literature/Fine Arts</td>
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<td>MATH</td>
<td>Mathematics</td>
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<td>NS</td>
<td>Natural Science Requirement</td>
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<td>Writing Requirement</td>
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**Key**

- **Course #**
- **Title**
- **Area & Credits**
- **Downward Dependencies**
- **Co-requisites**
- **Pre-requisites**

**Engineering Elective (choose one):**
- Any 400-level, 3-hour AEM elective, any 300- or 400-level, 3-hour College of Engineering course, or MTE 271.

**AEM Computational Elective (choose one):**
- AEM 420 Computational Fluid Dynamics
- AEM 461 Computational Aerospace Structures

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This is an unofficial flow chart prepared to assist students in planning their coursework. The UA Undergraduate Catalog contains the official listing of academic information.

Aerospace Engineering & Mechanics and other departments change their pre-requisites & co-requisites from time to time. Students should consult the UA Undergraduate Catalog and seek advising prior to registering for courses.

Dr. Semih Olcmen
Aerospace Engineering & Mechanics

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