### Bachelor of Science & Arts in Physics: Sample 4-Year Plan (2018-2020)

#### Year One - Fall
- M 408C (QR flag)
- Science & Tech II from AST, BIO, CH, CS, or GEO*
- UGS 302 or UGS 303
- RHE 306 or Social & Behavioral Science
- Language, Arts, and Culture

#### Spring
- M 408D
- PHY 301
- PHY 101L
- RHE 306 or Social & Behavioral Science
- GOV 310L

#### Year Two - Fall
- M 427J
- PHY 316
- PHY 116L
- GOV 312L
- Additional Requirement
- Elective

#### Spring
- M 427L
- PHY 315
- PHY 115L
- Language, Arts, and Culture
- Additional Requirement

#### Year Three - Fall
- PHY 355
- PHY 336K
- Language, Arts, and Culture
- U.S. History
- Additional Requirement

#### Spring
- PHY 373
- PHY 352K
- U.S. History
- Additional Requirement or Elective

#### Year Four - Fall
- PHY 369
- Math or Physics course from list in Catalog
- Language, Arts, and Culture
- Additional Requirement or Elective
- E 316L, M, N, or P
- Elective

#### Spring
- Elective
- Elective
- Visual & Performing Arts
- Elective

*Can overlap with Secondary Science

### 120 total hours required for this degree

Courses that fulfill core requirements are designated in the course schedule

#### Flag Requirements:
- Quantitative Reasoning Flag (1)
- Writing Flag (2)
- Independent Inquiry Flag (1)
- Global Cultures Flag (1)
- Cultural Diversity Flag (1)
- Ethics Flag (1)

#### Degree Planning Resources:
- Interactive Degree Audit
  - [http://registrar.utexas.edu/students/degrees/ida](http://registrar.utexas.edu/students/degrees/ida)
- Official Degree Plans
  - [https://cns.utexas.edu/degree-checklists](https://cns.utexas.edu/degree-checklists)
- Credit by Exam
  - [http://learningsciences.utexas.edu/studenttesting/](http://learningsciences.utexas.edu/studenttesting/)
- Core Curriculum
  - [http://ugs.utexas.edu/core/requirements](http://ugs.utexas.edu/core/requirements)

- Course flags are required for graduation and may overlap with other required courses
- One of the 2 writing flags must be upper-division; only one writing flag may overlap with the core
- Course flags are designated in the Course Schedule

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**Mathematics, Physics, & Astronomy Advising Center**
**RLM 4.101**
<table>
<thead>
<tr>
<th>Physics Course</th>
<th>Course Title</th>
<th>WR</th>
<th>CD</th>
<th>E</th>
<th>GC</th>
<th>II</th>
<th>QR</th>
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<tbody>
<tr>
<td>PHY 301</td>
<td>Mechanics</td>
<td></td>
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<tr>
<td>PHY 316</td>
<td>Electricity &amp; Magnetism</td>
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<tr>
<td>PHY 315</td>
<td>Wave Motion &amp; Optics</td>
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<td>PHY 353L</td>
<td>Modern Physics Laboratory</td>
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<td>X</td>
</tr>
</tbody>
</table>

**Other Required Courses**

| M 408C        | Differential & Integral Calculus     |    |    |    |    |    | X  |
| M 427J        | Differential Equations w/ Linear Algebra |    |    |    |    |    | X  |

**Optional Courses**

| PHY 670TB     | Senior Thesis                        | X  |    |    |    |    |
| PHY 371C      | Individual Study in Physics          |    |    |    |    | X  |
| PHY 379H      | Honors Tutorial Course               | X  |    |    |    | X  |

X - will contain specified flag
* - may contain flag for specific instructor - check Course Schedule to verify for a given semester

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**Statements below give suggestions about how/where to get your University Flags within the requirements for your degree. A course can carry up to three flags, fulfilling multiple flag requirements. However, the same course cannot be used to satisfy the GC and CD Flags even if the course carries both flags. Flag courses must be taken for a grade.**

**Writing (WR):** (2 total Writing Flags are required - one must be upper division) PHY 353L has a WR flag and can count toward a major requirement. Students can also get a WR flag from Core courses, courses for a minor or certificate they are pursuing, or general electives.

**Quantitative Reasoning (QR):** See chart above for math and science courses that carry this flag.

**Independent Inquiry (II):** Students may be able to get this flag from an optional Physics course (see chart above) or a general elective.

**Cultural Diversity in the US (CD):** Students can get this flag from a Core course (HIS, VAPA, etc.), a course for a minor or certificate they are pursuing, or a general elective.

**Global Cultures (GC):** Courses that may carry this flag include Core courses, courses for a minor or certificate, or general electives.

**Ethics (E):** Students can get this flag from a Core course (example: certain sections of GOV 312L), a course for a minor or certificate, or a general elective.