Program Change Request

Date Submitted: 10/04/18 3:30 pm

Viewing: MINOR-ASTP : Astrophysics - Minor

Last edit: 11/08/18 8:34 pm
Changes proposed by: skessler

Catalog Program Title
Astrophysics - Minor

Contact(s)

<table>
<thead>
<tr>
<th>Name</th>
<th>E-mail</th>
<th>Phone</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sherree Kessler</td>
<td><a href="mailto:skessler@tamu.edu">skessler@tamu.edu</a></td>
<td>979-458-5948</td>
</tr>
</tbody>
</table>

Academic level: Undergraduate
Effective Term: 2019-2020
Department: Physics and Astronomy
College: Science
Program type: Minor
With a minor in: Astrophysics (ASTP)
Associated Program: Not Applicable

Catalog Program Requirements

Rationale for Proposal
Due to a change in numbering for PHYS 208, as well as a change to the associated labs, PHYS 208 will now be PHYS 207. Non-Engineering majors will take the one hour lab, PHYS 227. Engineering majors will be required to take the two hour lab, PHYS/ENGR 217, which is part of their degree requirement.

The Dept. UCC would like to require a C or better in all courses for the ASTP minor, and remove "ASTR 491 may be taken in-absentia". The statement is unnecessary for undergrads, and is confusing to them.

Program hours: 15
Is this program eligible for financial aid? Yes
Will program hours change (increase/decrease) due to the proposed curriculum changes? No

In Workflow
1. PHYS Department Head
2. Curricular Services Review
3. SC Committee Preparer UG
4. SC Committee Chair UG
5. SC College Dean UG
6. UCC Preparer
7. UCC Chair
8. Faculty Senate Preparer
9. Faculty Senate
10. Provost II
11. President
12. Curricular Services

Approval Path
1. 09/27/18 11:17 am Lewis Ford (a-ford): Approved for PHYS Department Head
2. 10/04/18 10:28 am Angel Mario Carrizales (carri1214): Rollback to Initiator
3. 10/05/18 6:22 am Lewis Ford (a-ford): Approved for PHYS Department Head
4. 10/05/18 5:26 pm Angel Mario Carrizales (carri1214): Approved for Curricular Services Review
5. 10/08/18 8:53 am Sara Thigpin (sarathigpin): Approved for SC Committee Preparer UG
6. 10/08/18 9:14 am Lucas Macri (lmacri): Approved for SC Committee Chair UG
7. 10/08/18 9:14 am Lucas Macri (lmacri): Approved for SC College Dean UG
8. 10/08/18 2:02 pm Sandra Williams (sandra-williams): Approved for UCC Preparer
9. 11/05/18 3:21 pm Sandra Williams (sandra-williams): Approved for UCC Chair
### Course List

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Semester Credit Hours</th>
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</thead>
<tbody>
<tr>
<td>PHYS 208</td>
<td>Electricity and Optics</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 207</td>
<td>Electricity and Magnetism for Engineering and Science</td>
<td>4</td>
</tr>
<tr>
<td>PHYS 227</td>
<td>and Electricity and Magnetism Laboratory for the Sciences 1</td>
<td></td>
</tr>
<tr>
<td>ASTR 314</td>
<td>Survey of Astronomy 2</td>
<td>3</td>
</tr>
<tr>
<td>ASTR 320</td>
<td>Astrophysical Research Methods</td>
<td>2</td>
</tr>
<tr>
<td>Directed electives</td>
<td>Select two of the following:</td>
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<tr>
<td>ASTR 401</td>
<td>Stars and Extrasolar Planets</td>
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<tr>
<td>ASTR 403</td>
<td>Extragalactic Astronomy and Cosmology</td>
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<tr>
<td>ASTR 491</td>
<td>Research</td>
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</table>

Total Semester Credit Hours 15

1. All Engineering majors will take ENGR 217/PHYS 217 in place of PHYS 227.
2. ASTR 314 is the prerequisite for ASTR 320, ASTR 401 and ASTR 403

Students must make a grade of “C” or better in all courses.

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### Additional Information

**Required Proposal Forms**

- Updated Degree Eval - ASTP minor - Fall 2019 - 3.pdf

**Reviewer Comments**

- Angel Mario Carrizales (carri1214) (10/04/18 10:24 am): Edits made to conform to catalog style guidelines.
- Angel Mario Carrizales (carri1214) (10/04/18 10:28 am): Rollback: Footnote 1 includes ENGR/PHYS 217; however, the evaluation does not. Please add this course to the evaluation (Rule A). Also, only include the page of the evaluation that contains the minor coursework area.
- Angel Mario Carrizales (carri1214) (10/05/18 5:26 pm): Initial concerns addressed
- Sandra Williams (sandra-williams) (11/05/18 3:21 pm): UCC approved November 2018.
Take POLS 206 and POLS 207.

unofficial evaluation

Area: Writing Requirement (3.000 credits) - Not Met
Description: This area requires 3 hours of courses with the UWRT and UCRT attribute.

<table>
<thead>
<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. Writing Requirement</td>
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Only sections of PHYS 327 with the Writing attribute [UWRT] and sections of PHYS 328 with the Communication attribute [UCRT] may be used to satisfy this requirement.

unofficial evaluation

Area: General Electives (6.000 credits) - Not Met

<table>
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<tr>
<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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</thead>
<tbody>
<tr>
<td>No</td>
<td>A. General Electives 6hrs</td>
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Select any 100-499 course not used elsewhere. (except MATH 100-148, 165-166, 365-366; PHYS 201-202, 207-208.)

unofficial evaluation

Area: Work Not Applied - Met

Description: See advisor for acceptable substitutions.

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<th>Met</th>
<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
<th>Term</th>
<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. Courses not applied</td>
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unofficial evaluation

Area: Astrophysics Minor (15.000 credits) - Not Met
Description: Minimum of 6 hrs at 300- to 400-level. A minimum GPA of 2.0 is required.

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<th>Condition Rule</th>
<th>Subject Attribute</th>
<th>Low</th>
<th>High</th>
<th>Required</th>
<th>Required</th>
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<th>Subject</th>
<th>Course Title</th>
<th>Attribute</th>
<th>Credits</th>
<th>Courses</th>
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<tbody>
<tr>
<td>No</td>
<td>A. PHYS 207; and ENGR/PHYS 217 or PHYS 227</td>
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Second and third terms or better is required in all classes.

unofficial evaluation