

# Program Change Request

Date Submitted: 11/19/19 11:19 am

Viewing: **ASTR : Astronomy Minor**

Last approved: 12/09/18 1:48 pm

Last edit: 04/28/20 10:38 pm

Changes proposed by: prubin

Catalog Pages  
Using this Program  
[Astronomy Minor](#)

2020-2021  
Rationale for

Are you completing this form on someone else's behalf?

No

Requester:

Effective Catalog: 2020-2021

Program Level: Undergraduate

Program Type: Minor

Degree Type:

Title:  
Astronomy Minor

Banner Title: **Astronomy Minor**

## In Workflow

1. Registrar-Programs:Workflow Review
2. PHYS UG Committee
3. PHYS Chair
4. SC Curriculum Committee
5. SC Associate Dean
6. SC CAT Editor
7. Assoc Provost-Undergraduate
8. Registrar-Programs: Duration
9. Registrar-Programs

## Approval Path

1. 11/19/19 1:04 pm  
Tory Sarro (vsarro): Approved for Registrar-Programs:Workflow Review
2. 04/25/20 7:50 pm  
Philip Rubin (prubin): Approved for PHYS UG Committee
3. 04/25/20 7:54 pm  
Paul So (paso): Approved for PHYS Chair

## History

1. Nov 14, 2017 by  
clmig-jwehrheim
2. Jan 10, 2018 by  
Rebekah Zacharias  
(rzachari)
3. Feb 13, 2018 by  
Jennifer Bazaz  
Gettys (jbazaz)
4. Dec 9, 2018 by  
Philip Rubin  
(prubin)

Is this a retitling of an existing

Existing Program

Registrar/OAPI Use

Only – SCHEV

Registrar’s Office

Use Only –

Program Start Term

Registrar/OAPI Use

Only – SCHEV

Concentration(s):

INTO Major(s):

Registrar/IRR Use

Only –

**College/School:** College of Science

**Department / Academic Unit:** Physics & Astronomy

**Jointly Owned Program?** No

Participating

Participating

**Academic Themes:**

**Justification**

Split the present astronomy minor into two minors, clarifying the sequencing in the present minor.

**Catalog Published Information**

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**Total Credits Required:** Total credits: **16**  
~~19–22~~

**Registrar's Office Use Only - Program Code:**

ASTR

**Registrar/IRR Use Only – Program CIP Code**

**Admission Requirements:**

**Program-Specific Policies:**

## Policies

Eight credits of coursework must be unique to the minor. For policies governing all minors, see [AP.5.3.4 Minors](#).

### Degree Requirements:

Students should refer to the [Admissions & Policies](#) tab for specific policies related to this program.

The minor requires completion of all coursework with a minimum GPA of 2.00.

### Course List

| Code  | Title  | Credits          |
|---|--|------------------|
| <del>Select one of the following sequences:</del>         |  | <del>13-14</del> |
| <del>Sequence One:</del>                                  |  |                  |
| <del>PHYS 243</del>                                       | <del>College Physics I (Mason Core)</del>          |                  |
| <del>&amp; PHYS 245</del>                                 | <del>and College Physics II (Mason Core)</del>     |                  |
| <del>or PHYS 160</del>                                    | <del>University Physics I (Mason Core)</del>       |                  |
| <del>&amp; PHYS 260</del>                                 | <del>and University Physics II (Mason Core)</del>  |                  |
| <b>Select 16 credits of astronomy courses as follows:</b> |  |                  |
| <b>Select one or more courses from the following:</b>     |  |                  |
| <b><u>ASTR 103</u></b>                                    | <b>Astronomy (Mason Core)</b>                      |                  |
| <u>ASTR 111</u>   | The Solar System (Mason Core)                      |                  |
| <u>ASTR 113</u>   | Stars, Galaxies, and the Universe (Mason Core)     |                  |
| <u>ASTR 210</u>   | Introduction to Astrophysics                       |                  |
| <b>Select one or more courses from the following:</b>     |  |                  |
| <u>ASTR 112</u>   | The Solar System Lab (Mason Core)                  |                  |
| <u>ASTR 114</u>   | Stars, Galaxies, and the Universe Lab (Mason Core) |                  |
| <del>Sequence Two:</del>                                  |  |                  |
| <del>PHYS 160</del>                                       | <del>University Physics I (Mason Core)</del>       |                  |
| <del>PHYS 260</del>                                       | <del>University Physics II (Mason Core)</del>      |                  |
| <del>PHYS 262</del>                                       | <del>University Physics III (Mason Core)</del>     |                  |
| <del>or PHYS 308</del>                                    | <del>Modern Physics</del>                          |                  |

| Code  | Title  | Credits |
|---|--|---------|
| <u><a href="#">ASTR 115</a></u>                       | <u><a href="#">Finding New Worlds (Mason Core)</a></u>                       |         |
| <u><a href="#">ASTR 124</a></u>                       | Introduction to Observational Astronomy                                      |         |
| <b>Select two or more courses from the following:</b> |  |         |
| <u><a href="#">ASTR 301</a></u>                       | Astrobiology   |         |
| <u><a href="#">ASTR 302</a></u>                       | Foundations of Cosmological Thought ( <u><a href="#">Mason Core</a></u> )    |         |
| <u><a href="#">ASTR 328</a></u>                       | Stars  |         |
| <u><a href="#">ASTR 401</a></u>                       | Computer Simulation in Astronomy   |         |
| <u><a href="#">ASTR 402</a></u>                       | RS: Methods of Observational Astronomy ( <u><a href="#">Mason Core</a></u> ) |         |
| <u><a href="#">ASTR 403</a></u>                       | Planetary Science  |         |
| <u><a href="#">ASTR 404</a></u>                       | Galaxies and Cosmology   |         |
| <u><a href="#">ASTR 420</a></u>                       | Exoplanets   |         |
| <u><a href="#">ASTR 480</a></u>                       | The Interstellar Medium  |         |

**Total Credits** **16**

~~Core Courses Astronomy Electives~~

~~Course List~~

| Code  | Title  | Credits        |
|---|--|----------------|
| <del>Select 6-8 credits from the following:</del> |  |                |
| <del>ASTR 115</del>                               | <del>Finding New Worlds (Mason Core)</del>                     | <del>6-8</del> |
| <del>ASTR 301</del>                               | <del>Astrobiology</del>  |                |
| <del>ASTR 302</del>                               | <del>Foundations of Cosmological Thought (Mason Core)</del>    |                |
| <del>ASTR 328</del>                               | <del>Stars</del>   |                |
| <del>ASTR 401</del>                               | <del>Computer Simulation in Astronomy</del>                    |                |
| <del>ASTR 402</del>                               | <del>RS: Methods of Observational Astronomy (Mason Core)</del> |                |
| <del>ASTR 403</del>                               | <del>Planetary Science</del>                                   |                |
| <del>ASTR 404</del>                               | <del>Galaxies and Cosmology</del>                              |                |
| <del>ASTR 420</del>                               | <del>Exoplanets</del>  |                |
| <del>PHYS 428</del>                               | <del>Relativity</del>  |                |
| <del>ASTR 480</del>                               | <del>The Interstellar Medium</del>                             |                |

~~Total Credits~~ ~~0~~

**Retroactive  
Requirements  
Updates:**

Plan of Study:

**Honors  
Information:**

**Accelerated  
Description/Dual  
Degree  
Description:**

**INTO-Mason  
Requirements:**

**College  
Requirements &  
Policies:**

Department /  
Academic Unit  
Requirements &  
Policies:

## Additional Program Information

*This information is required by the Office of Accreditation and Program Integrity*

Courses offered via  
distance (if

Indicate whether  
students are able

What is the  
primary delivery  
format for the  
program?

Does any portion of this program occur off-campus?

Off-campus details:

Are you working with a vendor / other collaborators to offer your program?

Please explain:

Related  
Departments

Could this program prepare students for any type of professional licensure, in Virginia or elsewhere?

## Additional SCHEV & SACSCOC Information

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Are you changing the total number of credits required for this program?

Are you changing the delivery format in any way (e.g adding an online option)?

Are you adding/removing a licensure option which was approved by SCHEV?

### Green Leaf Program Designation

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Is this a Green Leaf program?  No

Green Leaf

Sustainability-focused academic programs require at least one green leaf course. Either that course is itself sustainability-focused or else the program requires a set of sustainability-

Relationship to

Relationship to

List sustainability-focused courses currently required in the degree

Sustainability-related academic programs either require at least one sustainability-related course or else offer any green leaf course as an option or elective \*

List sustainability-related courses currently required in the degree

Does this program cover material which crosses into another department?

No

Impacted

Departments  
Additional Attachments

[UGC-COS- Mod Program ASTR minor.pdf](#)

SCHEV Proposal

Executive Summary

**Reviewer  
Comments**

**Additional  
Comments**

**Is this course required of all students in this degree program?**

%wi\_required.eshtml%

**Attached  
Document**

Key: 349