## Program Approval Form

For approval of new programs and deletions or modifications to an existing program.
Registrar.

Action Requested:
Create New (SCHEV approval required except for concentration, minors, and certificates) Delete Existing
Modify Existing (check all that apply)

| $\square$ | Title (SCHEV approval required except for concentration, minors, certificates) |
| :--- | :--- |
| X | Degree Requirements |
| Application Requirements |  |
| Other Changes: |  |



College/School: Submitted by:

| College of Science |
| :--- |
| Joe Weingartner |

Department: SPACS
Joe Weingartner
Effective Term: $\begin{array}{lll}\text { Sprin } \\ \mathrm{g} & 2013 \\ & \end{array}$
Please note: For students to start a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.
ustification: (attach separate document if necessary)
Incorporate the new ASTR 210 course; increase program flexibility for interested students with different majors.

Program Title: (Required)
Use title to identify subject matter. Do not include name of college/school or department.
Concentration Title(s):
Admissions Standards / Application Requirements: (Required only if different from those listed in the University Catalog)

Degree Requirements:
Consult University Catalog for models, attach separate document if necessary using track changes for modifications

Courses offered via
Distance:
(if applicable)
TOTAL CREDITS
REQUIRED:

| Existing | New/Modified |
| :--- | :--- |
| Astronomy Minor | Astronomy Minor |
|  |  |
|  |  |
| See below. |  |

## Approval Signatures

| Department | Date | College/School | Date |
| :--- | :--- | :--- | :--- | | Provost's Office |
| :--- |
| Required for Undergraduate Programs Only |

If this program may impact another unit or is in collaboration with another unit at Mason, the originating department must circulate this proposal for review by those units and obtain the necessary signatures prior to submission. Failure to do so will delay action on this proposal.

| Unit Name | Unit Approval Name | Unit Approver's Signature | Date |
| :--- | :--- | :--- | :--- |
|  |  |  |  |
|  |  |  |  |

## Summary of Revisions:

1. ASTR 428 is replaced with PHYS 428. These courses are identical and ASTR 428 was recently deleted to eliminate redundancy.
2. We allow students to take both ASTR 302 and PHYS 428 for the astronomy minor, since there is very little overlap between these courses.

## New catalog copy:

## Banner Code: ASTR

The minor requires completion of 18 or 20 credits in physics and astronomy, with a minimum GPA of 2.00 . Eight credits of course work must be unique to the minor. Physics majors can add an astronomy minor by taking three astronomy courses. Students who have taken ASTR 111, 112, 113, and 114 can add an astronomy minor by taking two physics courses (without lab requirements) and two astronomy courses. For policies governing all minors, see the Academic Policies section of this catalog.

This program of study is offered by the School of Physics, Astronomy, and Computational Sciences in the College of Science.

Course Work

## ( $\mathbf{1 8}$ or $\mathbf{2 0}$ credits)

## CORE (12 or 14 Credits)

PHYS 243, 245 or PHYS 160, 260
and
ASTR 111, 112, 113, 114

## OR

PHYS 160, 260, 262

## and

## ASTR 210

## ASTRONOMY Electives (6 Credits)

6 credits from ASTR 301, 302, 328, 402, 403, 404, PHYS 428

Old catalog copy:

## Banner Code: ASTR

The minor requires completion of 18 or 20 credits in physics and astronomy, with a minimum GPA of 2.00 . Eight credits of course work must be unique to the minor. For policies governing all minors, see the Academic Policies section of this catalog.

This program of study is offered by the School of Physics, Astronomy, and Computational Sciences in the College of Science.

Course Work
( 18 or 20 credits)
CORE (12 or 14 Credits)
PHYS 243, 245 or PHYS 160, 260
and
ASTR 111, 112, 113, 114
OR
PHYS 160, 260, 262
and
ASTR 210

ASTRONOMY Electives (6 Credits)
6 credits from ASTR 301, 328, 402, 403, 404, and either 302 or 428

