



Program Approval Form

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

Action Requested:

- Create New (SCHEV approval required except for minors and certificates)
- Delete Existing
- Modify Existing (check all that apply)
 - Title (SCHEV approval required except for minors, certificates)
 - Concentration** (Choose one): Add Delete Modify
 - Degree Requirements
 - Admission Standards
 - Application Requirements
 - Other Changes: _____

Type (Check one):

- B.A. B.S. Minor
- Undergraduate Certificate
- M.A. M.S. M.Ed.
- Ph.D. Graduate Certificate
- Other: _____

College/School:	COS	Department:	SPACS
Submitted by:	P. Rubin	Ext:	3815 Email: prubin@gmu.edu

Effective Term: Fall 2012 **Please note:** For students to be admitted to a new degree, minor, certificate or concentration, the program must be fully approved, entered into Banner, and published in the University Catalog.

Justification: (attach separate document if necessary)

Add ASTR 210 to list of PHYS elective options without reducing the rigor of the elective sequence.

	Existing	New/Modified
Program Title: (Required) <small>Title must identify subject matter. Do not include name of college/school/dept.</small>	PHYSICS B.S.	PHYSICS B.S.
Concentration(s):		
Admissions Standards / Application Requirements: <small>(Required only if different from those listed in the University Catalog)</small>		
Degree Requirements: <small>Consult University Catalog for models, attach separate document if necessary using track changes for modifications</small>	See attached	See attached
Courses offered via distance: <small>(if applicable)</small>		
TOTAL CREDITS REQUIRED:		

Approval Signatures

Department	Date	College/School	Date	Provost's Office <i>Interdisciplinary Council Use Only</i>	Date
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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

Existing

Physics Electives (6 credits):

6 credits selected from the following:

- ⤴ [PHYS 251 - Introduction to Computer Techniques in Physics](#) Credits: 3
- ⤴ [PHYS 306 - Wave Motion and Electromagnetic Radiation](#) Credits: 3
- ⤴ [PHYS 307 - Thermal Physics](#) Credits: 3
- ⤴ [PHYS 405](#)
or [PHYS 406 - Honors Thesis in Physics](#) Credits: 3
- ⤴ [PHYS 408 - Senior Research Credits: 2-3](#)
or [PHYS 409 - Physics Internship](#) Credits: 3
- ⤴ [PHYS 416 - Special Topics in Modern Physics](#) Credits: 1
- ⤴ [ASTR 328 - Introduction to Astrophysics Credits: 3](#)
or [ASTR 428 - Relativity and Cosmology Credits: 3](#)

Additional Science Courses (12 credits):

Choose 12 credits from the courses below:

- ⤴ [PHYS 121 - Uses of Physics](#) Credits: 1
 - ⤴ [PHYS 122 - Inside Relativity](#) Credits: 1
 - ⤴ [PHYS 123 - Inside the Quantum World](#) Credits: 1
 - ⤴ [PHYS 124 - Experimental Explorations in Physics](#) Credits: 1
 - ⤴ [CS 112 - Introduction to Computer Programming](#) Credits: 4
 - ⤴ Additional approved upper-level physics, astronomy, chemistry, electrical engineering, or mathematics courses (for examples, see the areas of emphasis below)
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Modified

Physics Electives (6 credits):

6 credits selected from the following:

- ⤴ [PHYS 251 - Introduction to Computer Techniques in Physics](#) Credits: 3
- ⤴ [PHYS 306 - Wave Motion and Electromagnetic Radiation](#) Credits: 3
- ⤴ [PHYS 307 - Thermal Physics](#) Credits: 3
- ⤴ [PHYS 405](#)
 - or [PHYS 406 - Honors Thesis in Physics](#) Credits: 3
- ⤴ [PHYS 408 - Senior Research Credits: 2-3](#)
 - or [PHYS 409 - Physics Internship](#) Credits: 3
- ⤴ [PHYS 416 - Special Topics in Modern Physics](#) Credits: 1
- ⤴ [PHYS 428 - Relativity and Cosmology](#) Credits: 3
- ⤴ [ASTR 328 - Introduction to Astrophysics](#) Credits: 3

Additional Science Courses (12 credits):

Choose no more than 5 credits from the following courses:

- ⤴ [PHYS 121 - Uses of Physics](#) Credits: 1
- ⤴ [PHYS 122 - Inside Relativity](#) Credits: 1
- ⤴ [PHYS 123 - Inside the Quantum World](#) Credits: 1
- ⤴ [PHYS 124 - Experimental Explorations in Physics](#) Credits: 1
- ⤴ [ASTR 210 - Introduction to Astrophysics](#) Credits: 3

Choose at least 7 credits from the following courses:

- ⤴ [CS 112 - Introduction to Computer Programming](#) Credits: 4
 - ⤴ Additional approved upper-level physics, astronomy, chemistry, electrical engineering, or mathematics courses (for examples, see the areas of emphasis below)
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