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

Type (Check one)**:**

- [ ] B.A. [x] 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 2015

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.

JJustification: (attach separate document if necessary)

Add ASTR 301 to list of PHYS elective options that can be taken before the CALC I requirement is completed. Add Computational and Data Sciences to the list of upper-level course options. Together, these additions increase scheduling flexibility at both ends of the major sequence.

	Existing	New/Modified
Program Title: (Required) Title must identify subject matter. Do not include name of college/school/dept.	PHYSICS B.S.	PHYSICS B.S.
Concentration(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	See attached	See attached
Courses offered via distance: (if applicable)		
TOTAL CREDITS REQUIRED:		

Approval Signatures

Department	Date	College/School	Date	Provost's Office *Interdisciplinary Council Use Only*	Date

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

For Graduate Programs Only

Existing

Additional Science Courses (12 credits)

Students may satisfy this requirement by choosing from courses show below as well as those listed in the Areas of Emphasis.

- No more than 5 credits may be chosen from:
- 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: 2
- 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)

Modified

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: 2
- ASTR 210 - Introduction to Astrophysics Credits: 3
- ASTR 301 - Astrobiology 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, computational and data sciences, chemistry, electrical engineering, or mathematics courses (for examples, see the areas of emphasis below)