

ADD, CHANGE OR DELETE UNIT, PROGRAM REQUIREMENTS, OR ACADEMIC POLICIES

Complete this form consistent with the instructions in Academic Policy 1622.20. Use the form to add, change, or delete a program or unit or to change program policies. Proposed additions and changes must be consistent with Academic Policies 1100.40 and 1621.10 and any other policies which apply.

SECTION I: Approvals

Department / Program Chair _____ Date Submitted _____

College Dean _____ Date _____

Honors College Dean _____ Date _____

Core Curriculum Committee _____ Date _____

University Course and Programs Committee _____ Date _____

Graduate Council Chair _____ Date _____

Faculty Senate Chair _____ Date _____

Provost _____ Date _____

Board of Trustees Approval/Notification Date _____

Arkansas Higher Education Coordinating Board Approval/Notification Date _____

SECTION II: Profile Data - Required Information and Name Change InformationAcademic Unit: Major/Field of Study Minor Other Unit ARSC PolicyLevel: Undergraduate Graduate Law Effective Catalog Year 2013-2014

Program changes are effective with the next available catalog. See Academic Policy Series 1622.20

Current Name Physics, Bachelor of ArtsCollege, School, Division ARSCDepartment Code PHYSCurrent Code (6 digit Alpha) PHYSBA

Proposed Code (6 digit Alpha) _____

Prior approval from the Office of the Registrar is required.

 Interdisciplinary ProgramCIP Code 40.0801

Prior assignment from Office of Institutional Research is required.

Proposed Name _____

When a program name is changed, enrollment of current students reflects the new name.

SECTION III: Add a New Program/Unit

For new program proposals, complete Sections II and VII and use as a cover sheet for a full program proposal as described in 'Criteria and Procedures for Preparing Proposals for New Programs in Arkansas.' ADHE
http://www.adhe.edu/divisions/academicaffairs/Pages/aa_academicproposals.aspx

Program proposal uses courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

SECTION IV: Eliminate an Existing Program/Unit

Code/Name _____ Effective Catalog Year _____

No new students admitted to program after Term: ____ Year: _____

Allow students in program to complete under this program until Term: ____ Year: _____

SECTION V: Proposed Changes to an Existing Program or Program Policies

Insert here a statement of the exact changes to be made: **1. The department has submitted a proposed change to PHYS 3601L to convert it to a variable credit course (1-3 credits). This change must be reflected in the current requirements for the Physics, BA and in the 8-semester plan as well. 2. We are removing 4 general elective credits from the 8-semester plan so that**

it reflects the new 120-hour requirement for a baccalaureate degree. There are no changes to the specific major course requirements to accommodate Act 747.

Check if either of these boxes apply and provide the necessary signature:

- Program change proposal adds courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____
- Program change proposal deletes courses offered by another academic college, and that college dean's office has been notified. The signature of the dean of that academic college is required here: _____

Check all the boxes that apply and complete the required sections of the form:

- Change of Name and Code (Complete only sections I, II, V and VII.)
- Change Course Requirements: (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Delivery Site/Method (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change Total Hours (Complete all sections of the form except "Proposed Name" in II, section III, and section IV.)
- Change in Program Policies

SECTION VI: Justification

Justify this change and state its likely effect on any other degree program (including those outside the school or college). Identify any program or program components (other than courses) to be eliminated if this program is implemented. (Program and course change forms must also be submitted for such related changes.)

1. PHYS 3601L is being converted to a variable credit course to allow students who wish to do more of the available labs to learn more about the field of Modern Physics the ability to earn up to 3 credit hours. Students would be required to perform 3 labs for 1 credit, 6 for 2 credits and 9 for 3 credits. Labs to be chosen from are: Electron diffraction, charge-to-mass ratio e/m , gamma ray, pulsed field NMR, atomic spectroscopy, x-ray diffraction, Franck-Hertz, molecular spectroscopy, thermionic emission, alpha particle, earth's field NMR, and optical pumping. 2. The changes from 124 to 120 credit hours and the 4 general elective credits being removed are to reflect compliance with Act 747.

SECTION VII: Catalog Text and Format

In the box below, insert the current catalog text which is to be changed, with changes highlighted with the color yellow. Include all proposed changes identified in Section V. Only changes explicitly stated in Section V will be considered for approval by the University Course and Programs Committee, the Graduate Council and the Faculty Senate. If you are proposing a new program, give proposed text with all of the elements listed below. If you are proposing modified text, include these elements as appropriate.

Include the following elements, in order, in the catalog text for proposed undergraduate program(s) or program changes:

- State complete major/program name
- Briefly define or describe the major/program or discipline.
- Identify typical career goals or paths for graduates. (Optional)
- State admission requirements (if any) for entry or entry into upper/advanced level of major/program.
- Identify location in catalog of university, college/school, and department/program requirements which the student must meet in addition to hours in the major, but do not restate these requirements.
- State course requirements in the major and any allied areas, giving number of hours and specific courses; specify electives or elective areas and give numbers of hours and courses in elective pools or categories; identify any other course requirements.
- State any other requirements (required GPA, internship, exit exam, project, thesis, etc.).
- Identify name and requirements for each concentration (if any).
- Specify whether a minor or other program component is allowed or required and provide details.
- State eight-semester plan requirements

For minors, state requirements in terms of hours, required courses, electives, etc.

For graduate program/units, include elements (as needed) parallel to those listed for undergraduate programs above.

For Law School program/units, prepare text consistent with current catalog style.

For centers, prepare text consistent with current catalog style.

Requirements for a B.A. Degree with a Major in Physics: This track is for students desiring a broader program in the arts, sciences, and social sciences while majoring in physics. This program is recommended for pre-medical, journalism, prebusiness, pre-law and other students planning careers in fields for which a physics

education would be beneficial. For B.A. students seeking teaching licensure, see the Teacher Licensure Requirements below. This program requires a total of ~~124~~120 semester hours. The student must present 24 semester hours in physics or astronomy, including PHYS 2013/2011L, PHYS 2033/2031L, PHYS 3603/~~360L~~360VL, PHYS 4991, and 11 semester hours chosen from any physics or astronomy courses at the 3000 level or above. The student must also present MATH 1284C (or MATH 1203 and MATH 1213) and MATH 2554 (or MATH 2043) as well as two additional courses at the 2000 level or above in mathematics or statistics. An additional 9 semester hours at the 3000 level or above must be taken from a single special emphasis area chosen with the adviser's approval. The special emphasis area may be chosen in any single degree-granting department at the University of Arkansas. For B.A. students seeking teacher licensure, the special emphasis area may involve courses from more than one degree-granting department at the University of Arkansas with the approval of their adviser.

Physics B.A.

Eight-Semester Degree Program

Students wishing to follow the eight-semester degree plan should see page 41 in the Academic Regulations chapter for university requirements of the program as well as page 130 of this chapter for College requirements. Core requirement hours may vary by individual, based on placement and previous credit granted. Once all core requirements are met, students may substitute a three-hour (or more) general elective in place of a core area.

The Physics B.A. program includes requirements for a special emphasis area. In this case, journalism was used as an example. Courses in Boldface indicate courses recommended by the Department of Journalism as the journalism foundation needed for science reporting. It is recommended that the free electives be chosen in a second science, or in journalism.

Fall Semester Year 1

3 ENGL 1013 Composition I

3 **JOUR 1023 Media and Society*** (required for journalism sequence) or General Elective

3-4 MATH 1203 (if required) or MATH 1284C

3 University/state core fine arts or humanities or US History requirement

3 University/state core fine arts or humanities

15-16 Semester Hours

Spring Semester Year 1

3 ENGL 1023 Composition II

3 **JOUR 1033 Fundamentals of Journalism*** (required for journalism sequence) or General Elective

3-4 MATH 1213 (as required) or †MATH 2554 (or †MATH 2043)

3 University/state core humanities or US History or fine arts requirement

3 University/state core social science requirement

15-16 Semester Hours

Fall Semester Year 2

4 †PHYS 2013/2011L College Physics I

3 University/state core U.S. History or fine arts or humanities requirement

3 University/state core social science requirement

3-4 †MATH 2554 or †MATH 2043 (as required) or †MATH/STAT Elective

3 †**JOUR 2013 News Reporting I*** (pre-req. JOUR 1023 and 1033) or General Elective

16-17 Semester Hours

Spring Semester Year 2

4 †PHYS 2033/2031L College Physics II

3 †**JOUR 3023 News Reporting II*** or other Special Emphasis Area**

3 †MATH or STAT elective

6 General Electives

16 Semester Hours

Fall Semester Year 3

3 †**PHYS 3603** Introduction to Modern Physics

3 †MATH/STAT elective (as required) or General Elective

3 †**JOUR 3633 Media Law*** or other Special Emphasis Area**

6 General Electives

15 Semester Hours

Spring Semester Year 3

1-3 †**PHYS 360VL** Modern Physics Lab

3 †PHYS/ASTR Group A

3 †**JOUR 3013 Editing*** or other Special Emphasis Area**

3 †3000+ Advanced Level Elective

4-6 General Electives

16 Semester Hours

Fall Semester Year 4

2-4 †PHYS/ASTR Group A

3-4 †PHYS/ASTR Group A

3 †Fulbright College 3000+ Elective (as needed)

6 †Advanced level elective

14-17 Semester Hours

Spring Semester Year 4

3 †‡PHYS 4203 Physics of Devices, or other PHYS/ASTR Group A

1 †‡PHYS 4991 Senior Seminar

3 †3000+ Advanced level elective (as needed) or General Elective

5 -10-6 General Electives (as needed [to total 120 degree credits](#))

12-17-13 Semester Hours

124-120 Total Hours

* Required for journalism emphasis.

** Additional 9 semester hours at 3000 level or above from a single emphasis area chosen with adviser approval. This requirement is automatically fulfilled by the bold-faced upper-level journalism courses.

† Meets 40-hour advanced credit hour requirement. See College Academic Regulations on page 131 of this chapter

‡ Meets 24-hour rule (24 hours of 3000-4000 level courses in Fulbright College), in addition to meeting the 40-hour rule. See College Academic Regulations on page 131 of this chapter.

Group A: Eleven semester hours chosen from:

Any PHYS or ASTR classes numbered 3000 or above.

[no further changes after 8-semester plan]

SECTION VIII: Action Recorded by Registrar's Office

PROGRAM INVENTORY/DARS

PGRM _____ SUBJ _____ CIP _____ CRTS _____

DGRE _____ PGCT _____ OFFC&CRTY VALID _____

REPORTING CODES

PROG. DEF. _____ REQ. DEF. _____
Initials _____ Date _____

Distribution

Notification to:

- (1) College
- (2) Department
- (3) Admissions
- (4) Institutional Research
- (5) Continuing Education
- (6) Graduate School
- (7) Treasurer
- (8) Undergraduate Program Committee

5/12/08