Curriculum Change Form  
(Present only one proposed curriculum change per form)  
(Complete only the section(s) applicable.)

Part I

(Check one)  
New Course (Parts II, IV)  
Department Name  Physics and Astronomy  
College  Arts and Sciences  

Course Revision (Parts II, IV)  
*Course Prefix & Number  

Course Dropped (Part II)  
*Course Title (30 characters)  

New Program (Part III)  
*Program Title  Science For Engineering (A.S.)  

Program Revision (Part III)  
(Major X, Option ___; Minor ____; or Certificate ___)  

Program Suspended (Part III)  
*Provide only the information relevant to the proposal.

Proposal Approved by:  
Departmental Committee  9-25-06  
Graduate Council*  NA  

Is this a SACS Substantive Change?  
Yes****  No  

College Curriculum Committee  9-29-06 (electronic)  
Approved ___ Disapproved ___  
Council on Academic Affairs  

General Education Committee*  NA  
Faculty Senate**  

Teacher Education Committee*  NA  
Board of Regents**  
Council on Postsecondary Edu.***  NA  

*If Applicable (Type NA if not applicable.)  
**Approval needed for new, revised, or suspended programs  
***Approval/Posting needed for new degree program or certificate program  
****If “yes”, SACS must be notified before implementation. Please contact EKU’s Office of Institutional Effectiveness.

Completion of A, B, and C is required: (Please be specific, but concise.)

A. 1. Specific action requested:  
(Example: To increase the number of credit hours for ABC 100 from 1 to 2.)  
To change the Associate of Science Degree Program in Science for Engineering (A.S) to Associate of Applied Science (A.A.S.).

A. 2. Effective date:  
(Example: Fall 2001)  
Spring 2007  

A. 3. Effective date of suspended programs for currently enrolled students:  
(if applicable)

B. The justification for this action:  
To come in to compliance with the naming format for associate degrees, as required by CPE.

C. The projected cost (or savings) of this proposal is as follows:  
None.

Operating Expenses Impact:  
None.

Equipment/Physical Facility Needs:  
None.

Library Resources:  
None.
### Part III. Recording Data for New, Revised, or Suspended Program

1. For a new program, provide the catalog description as being proposed. 
2. For a revised program, provide the current program requirements using **strike-through** for deletions and **underlines** for additions. 
3. For a suspended program, provide the current program requirements as shown in catalog. List any options and/or minors affected by the program’s suspension. 

**New or Revised* Program Text**

(*Use **strike-through** for deletions and **underlines** for additions.)

**SCIENCE FOR ENGINEERING (A.A.S.)**  
*CIP Code: 14.9999*

#### Program Objectives
Upon completion of this program the graduate will: 1) be able to apply mathematics to analyze problems in the physical sciences; 2) be able to use fundamental physical results, such as conservation laws, to study physical systems; 3) be able to apply analytical techniques to the analysis of structures and/or mechanisms. Additionally, graduates of this program will: 1) be prepared for employment in the engineering technology career in the public or private sector; 2) be prepared for entrance into a B.S. program in engineering or a related field.

#### Major Requirements .................................................... 18 hours
PHY 201, 202; MAT 124**, 224.

#### Supporting Course Requirements .......................... 17 hours
Three hours Approved Programming Language*; CHE 111*, 112*, 115*, 116* or 116H*; TEC 190, PHY 221 or CHE 361.

#### General Education Requirements ..................... 24 hours
General Education categories IA, IB, IC, IIIB, IIIA or VII, VA, VB, VC.

#### University Requirement .............................................. 1 hour
ASO 100.

#### Free Electives .......................................................... 4 hours
Chosen with advisor to satisfy major requirements at the chosen engineering school.

#### Total Curriculum Requirements ............................... 64 hours
*Courses meeting general education requirements.
**A preparatory course (MAT 109) in mathematics may be required before admission to MAT 124.