



Prefix Change

Course Deletion

Reorganization, Title

Change

Description Change

Program Revision

3. Program Proposal

Program Title Change

Other

New Degree Program

New Associate's Program

NEW TRACK

Date

4. Approvals

Department Curriculum

WVCC Co-Chairs

7-23-08

Gail

1. Catalog Description For The Revised Bachelor of Science - Physics Program.

**Bachelor of Science—Physics**

**Liberal Studies:** As outlined in Liberal Studies section with the following specifications: 50

**Mathematics:** MATH 123

**PHYSICS:** PHYS 131, 132, 141, 142, 222, 223, 231, 322, 323, 331, 342, 345, 350

**Major:**

**Required Courses:**

|          |                                     |        |    |
|----------|-------------------------------------|--------|----|
| PHYS 131 | Physics I-C Lecture                 | *cr(1) | 37 |
| PHYS 132 | Physics II-C Lecture                | *cr(1) |    |
| PHYS 141 | Physics I-C Lab                     | *cr(1) |    |
| PHYS 142 | Physics II-C Lab                    | *cr(1) |    |
| PHYS 222 | Mechanics I                         | 2cr    |    |
| PHYS 223 | Mechanics II                        | 2cr    |    |
| PHYS 231 | Electronics                         | 4cr    |    |
| PHYS 322 | Electricity and Magnetism I         | 2cr    |    |
| PHYS 323 | Electricity and Magnetism II        | 2cr    |    |
| PHYS 331 | Modern Physics                      | 3cr    |    |
| PHYS 342 | Thermal and Statistical Physics     | 3cr    |    |
| PHYS 345 | Optics                              | 3cr    |    |
| PHYS 350 | Intermediate Experimental Physics I | 3cr    |    |

2. Summary of Changes

a. Table Comparing "Old" And "New" Bachelor of Science - Physics Programs

| <b>"OLD" BACHELORS OF SCIENCE - PHYSICS PROGRAM</b>  |                      |        | <b>"NEW" BACHELORS OF SCIENCE - PHYSICS PROGRAM</b>  |                      |        |
|--|----------------------|--------|--|----------------------|--------|
| <b>Liberal Studies: 50</b><br>As outlined in the Liberal Studies section with the following specifications:<br>Mathematics: MATH 123<br>Natural Science: PHYS 131-141 and PHYS 132-142<br><b>Liberal Studies Electives:</b> 4cr, MATH 124, no courses with PHYS prefix |                      |        | <b>Liberal Studies: 50</b><br>As outlined in the Liberal Studies section with the following specifications:<br>Mathematics: MATH 123<br>Natural Science: PHYS 131-141 and PHYS 132-142<br><b>Liberal Studies Electives:</b> 4cr, MATH 124, no courses with PHYS prefix |                      |        |
| <b>"OLD" B S - PHYSICS PROGRAM</b>   |                      |        | <b>"NEW" BS - PHYSICS PROGRAM</b>  |                      |        |
| <b>Major:</b>  |                      | 37     | <b>Major:</b>  |                      | 37     |
| <b>Required Courses:</b>   |                      |        | <b>Required Courses:</b>   |                      |        |
| PHYS 131   | Physics I-C Lecture  | *cr(1) | PHYS 131   | Physics I-C Lecture  | *cr(1) |
| PHYS 132   | Physics II-C Lecture | *cr(1) | PHYS 132   | Physics II-C Lecture | *cr(1) |

Old Catalog Notes:

- (1) Credits are counted in the Liberal Studies Natural Science requirement.
- (2) Intermediate-Level Foreign Language may be included in Liberal Studies electives.

New Catalog Notes:

- (1) Credits are counted in the Liberal Studies Natural Science requirement.
- (2) Intermediate-Level Foreign Language may be included in Liberal Studies electives.
- (3) **6cr of computer language may substitute for the foreign language requirement: COSC 110 and COSC 210 or higher-level computer science courses (COSC 250 recommended) with department permission.**

**Ken Hershman**

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**Sent:** Thursday, December 09, 2004 3:00 PM  
**Subject:** clarification of Foreign Language statement in IUP catalog (Physics degree's)

Dr.s McCreary and Smith,

Since the option became available, the Physics Department has allowed our majors to choose to complete the foreign language either by completing the standard 6cr of intermediate level of foreign language or 6cr of computer science language. For jointly this latitude is not covered in the current catalog statement which simply