

# PHYSICS CHECKLIST

## MAJOR: PHYSICS (B.S.): Radiation Physics Option

NAME: _____
SS# _____ Cat Yr _____
Advisor _____ Yr Graduate _____
Home Address/Phone _____
Local Address/Phone _____

### Major Requirements (48-50 sem. hrs.)

	Grade	Sem Taken	
PHY 1151G (1351G) ...	____/____	_____	.....(3 SH; F,S) .....Principles of Physics I
PHY 1152G (1352G) ...	____/____	_____	.....(1 SH; F,S) .....Principles of Physics I Lab
PHY 1161 (1361).....	____/____	_____	.....(3 SH; F,S) .....Principles of Physics II
PHY 1162 (1362).....	____/____	_____	.....(1 SH; F,S) .....Principles of Physics Lab II
PHY (1371)* .....	____/____	_____	.....(3 SH; F,S) .....General Physics III
PHY (1372)* .....	____/____	_____	.....(1 SH; F,S) .....General Physics Lab III
PHY 3001.....	____/____	_____	.....(3 SH; Feven)....Laser Safety Methods
PHY 3002.....	____/____	_____	.....(3 SH; S odd) ...Introduction to Health Physics
PHY 3150 .....	____/____	_____	.....(4 SH; F) .....Electronics
PHY 4000.....	____/____	_____	.....(1 SH; F,S) .....Seminar
PHY 4710 .....	____/____	_____	.....(1 SH; F,S) .....Experi. Lab- Radiation Lab 1 <sup>st</sup> Time
PHY 4710 .....	____/____	_____	.....(1 SH; F,S) .....Experi. Lab- Radiation Lab 2 <sup>nd</sup> Time
PHY 4710 .....	____/____	_____	.....(1 SH; F,S) .....Experi. Lab- Laser Lab
CHM 1310G.....	____/____	_____	.....(3 SH; F,S) .....General Chemistry I
CHM 1315G.....	____/____	_____	.....(1 SH; F,S) .....General Chemistry Lab I
CHM 1410 .....	____/____	_____	.....(3 SH; F,S) .....General Chemistry II
CHM 1415 .....	____/____	_____	.....(1 SH; F,S) .....General Chemistry Lab II
CHM 2730 .....	____/____	_____	.....(3 SH; F) .....Quantitative Analysis
GEL/ESC 3010G .....	____/____	_____	.....(3 SH, F,S) .....Environmental Physical Science
GEL 4335.....	____/____	_____	.....(3 SH, S).....Environmental Geology
MAT 1441G (1440G) ..	____/____	_____	.....(5(4) SH; F,S)....Calculus I
MAT 2170.....	____/____	_____	.....(3 SH; F,S) .....Computer Science

### Electives (5 semester hours)

PHY 3080.....	____/____	_____	.....(3 SH; S) .....Modern Physics I
PHY 4010.....	____/____	_____	.....(1 SH; F,S) .....Seminar
PHY 4600.....	____/____	_____	.....(1-3 SH) .....Research in Physics
PHY 4800.....	____/____	_____	.....(1-3 SH) .....Independent Study
BIO 3100.....	____/____	_____	.....(3 SH).....Molecular and Cell Biology
CHM 2430 .....	____/____	_____	.....(3 SH; F,S) .....Survey of Organic Chemistry
CHM 2435 .....	____/____	_____	.....(1 SH; F,S) .....Survey of Organic Chemistry Lab
CHM 3450 .....	____/____	_____	.....(3 SH; F) .....Biochemistry I
FCS 4820 .....	____/____	_____	.....(3 SH; F,S) .....Death and Dying
MAT 2250G.....	____/____	_____	.....(4 SH; F,S) .....Elementary Statistics

(\*Students take either (PHY 1151, 1152, 1161, 1162) or (PHY 1351, 1352, 1361, 1362, 1371, 1372)

## Graduation Requirements

- |                               |   |
|-------------------------------|---|
| _____ 120 Semester hours (SH) | _____ 42 SH in residence at EIU                       |
| _____ 2.00 Cumulative GPA     | _____ 32 SH Junior-Senior Residency                   |
| _____ 2.00 Major GPA          | _____ 12 SH senior residency                          |
|                               | _____ 56 SH at senior institution (Transfer students) |
- \_\_\_\_\_ 40 SH of upper division courses (3000-4000)  
 \_\_\_\_\_ Senior Seminar (after completion of 75 hours)  
 \_\_\_\_\_ Cultural Diversity (designated with an \* in catalog)  
 \_\_\_\_\_ Application for degree. (Apply for graduation after 60 SH)

## Electronic Writing Portfolio

Information about the Electronic Writing Portfolio is available at <http://www.eiu.edu/~assess/ewpmain.php>.

**Foreign Language** (0-8 SH) Exempt? Yes / No  
 Exemption? Two years in a single foreign language in high school with an average grade of C or better.

Course	Sem. Hrs	Grade	Sem Taken
_____ / _____ / _____ / _____			
_____ / _____ / _____ / _____			

## **Senior Seminar (3 semester hours)**

Taken after student has completed 75 hours.

Course	Sem. Hrs	Grade	Sem Taken
_____ / _____ / _____			

## General Ed. Requirements

A student transferring to Eastern Illinois University who has received an Associate in Art (AA), an Associate in Science (AS) or an Associate in Science and Arts (ASA) degree from an Illinois public community college, Lincoln College, or Springfield College in Illinois, is considered as having:

- Junior status
- A minimum of 60 semester hours of transfer credit accepted
- The cultural diversity, and the constitution requirements automatically waived
- Lower division general education requirements met

All students will still have to complete [Eastern's graduation requirements](#)

## **Humanities & Fine Arts (9 semester hours)**

Student must successfully complete at least one course from humanities and one from fine arts, from at least two different disciplines.

Course	Sem. Hrs	Grade	Sem Taken
_____ / _____ / _____ / _____			
_____ / _____ / _____ / _____			
_____ / _____ / _____ / _____			
_____ / _____ / _____ / _____			

## **Mathematics (3 semester hours)**

This requirement is met with major requirements

## **Language (9 semester hours)** Grade of C or better

	Grade	Sem Taken
ENG 1001G (1091G) 3sh	/ _____ / _____	
ENG 1002G (1092G) 3 sh	/ _____ / _____	
CMN 1310G (1391G) 3 sh	/ _____ / _____	

## **Scientific Awareness (7 semester hours)**

Only need to take a Biological Science course the rest is fulfilled by the major.

Course	Sem. Hrs	Grade	Sem Taken
_____ / _____ / _____ / _____			

## **Social & Behavioral Sciences (9 sem. hrs.)**

Courses must be selected from two different disciplines.

Course	Sem. Hrs	Grade	Sem Taken
_____ / _____ / _____ / _____			
_____ / _____ / _____ / _____			
_____ / _____ / _____ / _____			