

# RADIATION HEALTH PHYSICS – 4 Year Plan

FIRST YEAR

*Academic Year: 2022-2023*

SECOND YEAR

Fall

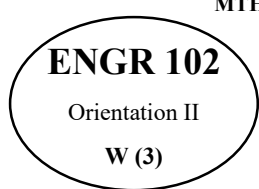
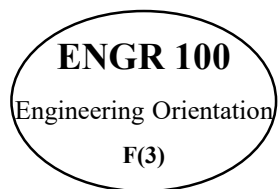
Winter

Spring

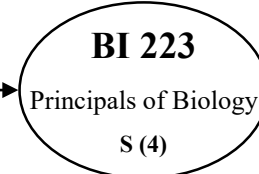
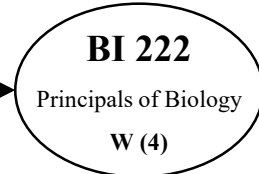
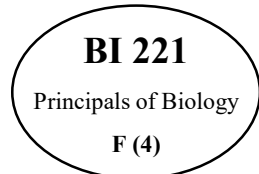
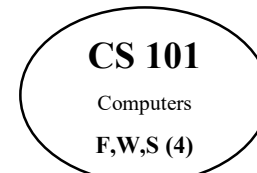
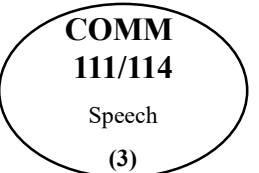
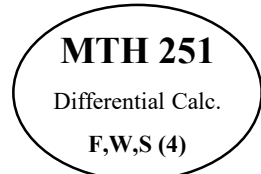
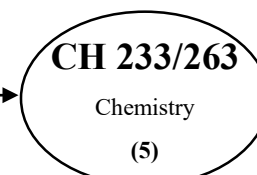
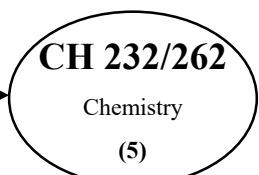
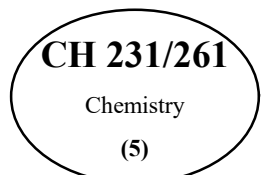
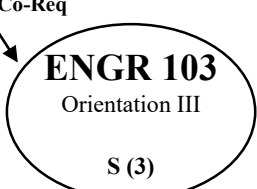
Fall

Winter

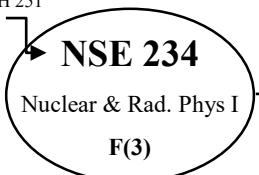
Spring



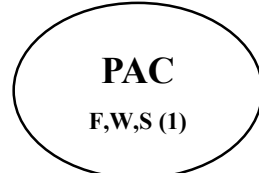
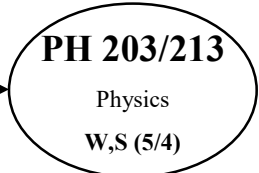
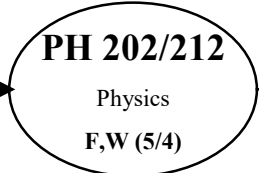
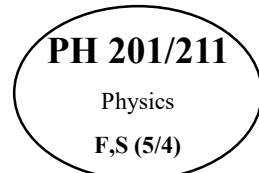
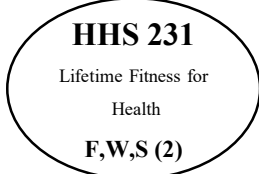
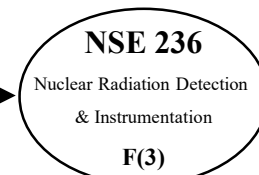
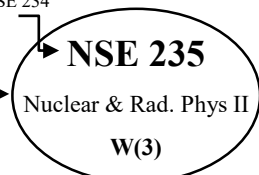
ENGR 102 Pre-Req &  
MTH 112 Co-Req



MTH 251



MTH 252  
NSE 234



( ) The number within the parenthesis represent the credits of the course.  
F, W,S: Represents the term the course is offered (Fall, Winter and Spring term respectively).

# RADIATION HEALTH PHYSICS

THIRD YEAR

*Academic Year: 2022-2023*

FOURTH YEAR

Fall

Winter

Spring

Fall

Winter

Spring

RHP/NSE 235

→ **NSE 481**  
Radiation Protection  
F (4)

**ST 201**  
Statistics I  
F,W,S,U (3)



**ST 202**  
Statistics II  
(3)

**NSE 407**  
Seminar  
F,W,S (1)

**NSE 407**  
Seminar  
F,W,S (1)

**NSE 407**  
Seminar  
F,W,S (1)

BI 242

→ **BI 231**  
Intro to Human A&P  
F,U (3)

**Elective**  
Restrict. Elective  
(3)

WR 121

→ **WR 327**  
Tech. Writing  
(3)

**NSE 415**  
Nuclear Rules & Regulation  
F (2)

NSE 481

→ **NSE 483**  
Radiation Biology  
W (4)

**H 445**  
Occupational Health  
S (3)

**Elective**  
Restricted Health Elect  
(3)

**Elective**  
Restrict. Elective  
(3)

**NSE 319**  
Societal Aspects of Nucl. Tech.  
S(3)

NSE 481

→ **NSE 488**  
Radioecology  
F (3)

**NE 474**  
Nuclear Sys. Design  
W (4)

RHP/NSE 234  
RHP/NSE 235  
RHP/NSE 481

→ **NSE 435**  
Rad. Shielding & Ext. Dosimetry  
S (4)

**Elective**  
Restricted Health Elect  
(3)

**Synthesis**  
(3)

**Elective**  
Restrict. Health Elect.  
(3)

ST 201

→ **H 425**  
Epidemiology  
F,W,S (3)

**Elective**  
(2)

NSE 452  
NSE/RHP 474

→ **NSE 475**  
Nuclear Sys. Design II  
S (4)

**Perspectives**  
F,W,S (3)

**Perspectives**  
F,W,S (3)

**Elective**  
Restrict. Elective  
(3)

**Elective**  
Restrict. Health Elect.  
(3)

**Elective**  
Restricted Elect.  
(3)

**Elective**  
Restricted Elect.  
(3)

**Synthesis**  
(3)

# RADIATION HEALTH PHYSICS

## Pre-med track

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### RHP with Pre-Medical Track

**BI 109**  
Health  
Professions

S(1)

**ST 351**  
Statistical  
Methods

F,W,S (4)

**CH 331**  
Organic  
Chemistry

F(3)

**CH 332**  
Organic  
Chemistry

W(3)

**CH 337**  
Organic  
Chemistry Lab

F,S (4)

**BB 314**  
Cell and Molecular  
Biology  
F, W, S, U(4)

**BI 231**  
Anatomy

W(3)

**BI 241**  
Anatomy Lab

S (3)

**BB 450**  
General  
Biochemistry I  
F, W, U(4)

**BB 451**  
General  
Biochemistry II  
W, S(3)

**BI 311**  
Genetics

F, W, S, U(4)

**SOC 204**  
Intro to Sociology

F, W, S, U(3)

**PSY 202**  
General  
Psychology  
F, W, S, U(3)

#### NOTES:

1. CH 221 + CH 222+ CH 223 required for pre-med track.
2. Math pre-requirements for PH 201, PH 202, and PH 203 are different than PH 211, PH 212, and PH 213.
3. PH 211 + PH 212 + PH 213 required for pre-med track.
4. Can substitute ST 314 + 3 hours of free electives for ST 201 + ST 202.
5. Credits to graduate = 180.