

NUCLEAR SCIENCE & ENGINEERING

FIRST YEAR

SECOND YEAR

Fall

Winter

Spring

Fall

Winter

Spring

ENGR 102 Pre-Req &
MTH 112 Co-Req

**ENGR
110/115
Orientation I**
F (3)

**ENGR 102
Orientation II**
W (3)

**ENGR 103
Orientation III**
S (3)

PH 211

**PH 212
Physics w/Calc**
F, W (3)

MTH 256

**NSE 233
Mathematical
Methods for NE**
W(3)

NSE 235

**NSE 236
Nuc Radiation
Detection &
Instrumentation**
S (4)

MTH 111

**CH 201/204
Chemistry**
F, W (4)

CH 201

**CH 202
Chemistry**
W, S (3)

MTH 252

**MTH 254
Vector
Calculus**
F,W,S (4)

MTH 251

**NSE 234
Nuclear & Radiation
Physics I**
F (3)

NSE 234

**NSE 235
Nuclear & Radiation
Physics II**
W (3)

**Restricted
Elective**
(3)

MTH 112

**MTH 251
Differential
Calculus**
F,W,S (4)

MTH 251

**MTH 252
Integral
Calculus**
F,W,S (4)

MTH 251
Co-req: MTH 252

**PH 211
Physics w/ Calculus**
F,S (4)

MTH 254

**MTH 256
Differential
Equations**
F, W, S (4)

MTH 252

**NSE 321
Intro Nuc Materials**
W (3)

**NSE 281
Intro Health
Physics**
S(3)

**WR 121Z
English
Composition**
F,W,S (4)

**COMM
111Z/114
Speech**
F,W,S (4/3)

Free Elect
F,W,S (3)

Arts & Hum
General (3)

PH 212

**PH 213
Physics w/ Calculus**
W,S (4)

NSE 235

**NSE 351
Intro Nuc
Reactor Physics**
S (3)

Diff Pwr Opp
Foundations (3)

Arts & Hum
Global (3)

() 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).

NUCLEAR SCIENCE & ENGINEERING

THIRD YEAR

FOURTH YEAR

Fall

Winter

Spring

Fall

Winter

Spring

NSE 235

**NSE Thrust
Elective**
(3)

NSE 240
Intro Nuc Fuel
Cycles
S (3)

ENGR 330
Eng
F,W,S (3)

NSE 407
Seminar
F, W, S (1)

NSE 407
Seminar
F, W, S (1)

NSE 407
Seminar
F, W, S (1)

**NSE Thrust
Elective**
(3)

**NSE Thrust
Elective**
(3)

**NSE Thrust
Elective**
(3)

WR 227Z

NSE 472
Nuc Project, Mgmt
& Prof Comm
F (3)

NSE 472

NSE 474
Nuc Engineering
Design I
W (4)

MTH 474

NSE 475
Nuc Engineering
Design II
S (4)

MTH 252

ST 314
Statistics for
Engineers
F,W,S (3)

**NSE Thrust
Elective**
(3)

**NSE Thrust
Elective**
(3)

**NSE Thrust
Elective**
(3)

**NSE Thrust
Elective**
(3)

**NSE Thrust
Elective**
(3)

WR 121Z

WR 227Z
Technical Writing
F,W,S (4)

**Restricted
Elective**

(3)

**Restricted
Elective**
(3)

Free Elective
(3)

**NSE Thrust
Elective**
(6)

**Restricted
Elective**
(3)

**NSE Thrust
Elective**
S (3)

NSE 236

NSE 414
Nuc Ethics, Policy &
Regulation
W (3)

**Social
Science**
(3)

**Seeking
Solutions**
(3)

Free Elective
(3)

**Free
Elective**
(4)

**Free
Elective**
(3)

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NSE Thrust Electives – Upper division NSE Classes; Restricted Electives – Engr, Sci, Business