

NUCLEAR SCIENCE & ENGINEERING

FIRST YEAR

SECOND YEAR

Fall

Winter

Spring

Fall

Winter

Spring

ENGR 102 Pre-Req &
MTH 112 Co-Req

MTH 251

NSE 234

NSE 235

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

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

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

NSE 234
Nuclear & Radiation
Physics I
F (3)

NSE 235
Nuclear & Radiation
Physics II
W (3)

NSE 236
Nuc Radiation
Detection &
Instrumentation
S (4)

MTH 111

CH 201

MTH 252

MTH 254

MTH 252

NSE 235

CH 201/204
Chemistry
F, W (4)

CH 202
Chemistry
W, S (3)

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

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

NSE 321
Intro Nuc Materials
W (3)

NSE 240
Intro Nuc Fuel
Cycles
S (3)

MTH 112

MTH 251

MTH 251
Co-req: MTH 252

PH 211

PH 212

NSE 281

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

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

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

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

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

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)

MTH 256

NSE 233
Mathematical
Methods for NE
W(3)

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.

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NUCLEAR SCIENCE & ENGINEERING

THIRD YEAR

FOURTH YEAR

Fall

Winter

Spring

Fall

Winter

Spring

NSE 236

**NSE Thrust
Elective**
(3)

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

ENGR 330
Inclusive & Equitable
Engineering
*DPO-Advanced (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)

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)

WR 227Z

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)

Free Elective
(3)

**NSE Thrust
Elective**
(6)

**Restricted
Elective**
(3)

**NSE Thrust
Elective**
S (3)

**Restricted
Elective**
(3)

**Social
Science**
(3)

**Seeking
Solutions**
(3)

Free Elective
(3)

**Free
Elective**
(4)

**Free
Elective**
(3)

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