

State University of New York at Binghamton
Thomas J. Watson College of Engineering and Applied Science
BS in Electrical Engineering-Four-Year Program

Application curriculum code: 0266

(If undecided: 0229)

FALL 2025

ENGINEERING DESIGN DIVISION

(The freshman year is common to all engineering majors)

Fall

Math 224/225 Diff Calc/Integ Calc (M)
Chem 111 Chemical Principles (L)
EDD 111 Intro to Engineering Design (2 credits)
EDD 103 Engineering Communications I
(2 credits)
General Education Elective (G, D, A, N, H)
Physical Activity/Wellness (Y, S, B)

Spring

Math 226/227 IntegTech & App/Inf Ser (Calc I)
PHYS 131 General Physics I
EDD 112 Intro to Engineering Analysis (2 credits)
EDD 104 Engineering Communications II
(J) (2 credits)
General Education Elective (G, D, A, N, H)
Physical Activity/Wellness (Y, S, B)

Final three years of Electrical Engineering Major

Year 2

Fall

Math 324 Ordinary Differential Equation
PHYS 132 General Physics II
CS 211 Programming I for Engineers
EECE 251 Digital Logic Design
EECE 281
EECE Seminar I

Spring

ISE 261 Probabilistic Systems I
EECE 260 Electric Circuits
EECE 212 Linear Algebra&Eng Programming
EECE 287 Sophomore Design

Year 3

Fall

Math 323 Calculus III
EECE 315 Electronics I
EECE 301 Signals and Systems
EECE 332 Semiconductor Devices
EECE 382 EECE Seminar II

Spring

EECE 387 Design Lab
EECE 323 Electromagnetics
EECE 361 Control Systems
EECE 377 Communications Systems
Professional Elective I

Year 4

Fall

EECE 487 Senior Project I (O)
EECE 486 Senior Project I Lab
Technical Elective I
General Education Elective (G, D, A, N, H)
General Education Elective (G, D, A, N, H)

Spring

EECE 488 Senior Project II
EECE 489 Senior Project II Lab
Technical Elective II
Professional Elective II
General Education Elective (G, D, A, N, H)

5/22/25