

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

Application curriculum code: 0266

(If undecided: 0229)

FALL 2018

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, P, A, N, H)
 Body/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, P, A, N, H)
 Body/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, P, A, N, H)
 General Education Elective (G, P, 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, P, A, N, H)