

**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 2021**

**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)  
 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, P, 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, 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)

