

**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 2022**

**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)