

**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)	

