

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

Application Curriculum Code: 0843

(If undecided use: 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 Computer 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**

EECE 301       Signals and Systems  
 EECE 315       Electronics I  
 EECE 351       Digital Systems Design  
 Math 314       Discrete Math  
 EECE 382       EECE Seminar II

**Spring**

EECE 387       Design Lab  
 EECE 359       Computer Comm and Networking  
 CS 212         Programming II for Engineers  
 General Education Elective (G, D, A, N, H)

**Year 4**

**Fall**

EECE 487       Senior Project I (O)  
 EECE 486       Senior Project I Lab  
 CS 311         Operating Systems  
 Concepts Technical Elective I  
 General Education Elective (G, D, A, N, H)

**Spring**

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