|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **HIGH SCHOOL** | | | | | |
| **2011 / 2012** |  | **2013** |  | **2014** |  |
| POLL 1101  (Government of the United States) | 3 | ENGL 1101  (English Composition I) | 3 | EAS 1600  (Intro to Environmental Science) | 4 |
| HIST 1XXX  (History, Technology, & Social Elective) | 3 | HIST 2111  (United States to 1877) | 3 | ECON 2105  (Principles of Macroeconomics) | 3 |
|  |  | MATH 1501  (Calculus I) | 4 | ECON 2106  (Principles of Microeconomics) | 3 |
|  |  |  |  | MATH 1502  (Calculus II) | 4 |
|  |  |  |  | MATH 2401  (Calculus III) | 4 |
|  |  |  |  |  |  |
| Credits | 6 | Credits | 10 | Credits | 18 |
| **1ST YEAR** | | | | | |
| **FALL 2015** |  | **SPRING 2016** |  | **SUMMER 2016** |  |
| CHEM 1310  (General Chemistry) | 4 | ECE 2020  (Fundamental Digital Systems Design) | 3 | SPAN 3691  (Business Communication and Correspondence) | 3 |
| CS 1371  (Computing for Engineers) | 3 | ENGL 1102  (English Composition II) | 3 | SPAN 3692  (Business and Culture) | 3 |
| MATH 2552  (Differential Equations) | 4 | PHYS 2211  (Intro to Physics I) | 4 | SPAN 3590  (Issues in Andean Development) | 3 |
| APPH 1040  (Science Foundation of Health) | 2 | SPAN 3823  (Latin America Music) | 3 | SPAN 3592  (Andean Culture Commerce) | 3 |
| GT 1000  (ECE Freshman Seminar) | 1 | GT 2803  (Your Design, Your Invention) | 3 |  |  |
| SPAN 2001  (Intermediate Spanish I) | 3 |  |  |  |  |
| Credits | 17 | Credits | 16 | Credits | 12 |
| **2ND YEAR** | | | | | |
| **FALL 2016** |  | **SPRING 2017** |  | **SUMMER 2017** |  |
| ECE 2149 (VIP)  (Solar Decathlon/Home) | 1 | CS 2699  (Robotics Research) | 3 | INTERNSHIP WITH SOFTWARE CO  ( |  |
| ECE 2026  (Intro Signal Processing) | 3 | ECE 2036  (Engineering Software Design) | 3 | INTERNSHIP WITH MR. MANNING  ( |  |
| ECE 2031  (Digital Design Laboratory) | 2 | ECE 2040  (Circuit Analysis) | 3 |  |  |
| PHYS 2212  (Intro to Physics II) | 4 | ISYE 3770  (Probability and Statistics) | 3 |  |  |
| ECE 2035  (Programming HW/SW Sys.) | 4 | COE 2001  (Statics) | 2 |  |  |
|  |  |  |  |  |  |
| Credits | 14 | Credits | 14 | Credits | 0 |
| **3RD YEAR** | | | | | |
| **FALL 2017** |  | **SPRING 2018** |  | **SUMMER 2018** |  |
| CS 1331  (Introduction to Object Oriented Programming) | 3 | CS 1332  (Data Structures) | 3 | NEW ZEALAND STUDY ABROAD  ( |  |
| ECE 3005 / 3006  (Professional Communication) | 2 | ECE 3030  (Physical Foundations of Computer Engineering) | 3 | ECE CLASSES  ( |  |
| ECE 3020 / CS 3012  (Math Foundations of Computer Engineering) | 3 | CX 4240  (Intro. To Computing and Data Analysis) | 3 | INTERNSHIP  ( |  |
| ME 2202  (Dynamics of Rigid Bodies) | 3 | CX 4242  (Data and Visual Analytics) | 3 | ( |  |
| ECE 3056  (Arch., Concurrency, and Energy in Computat.) | 3 | MATH 3225/3215, ISYE 2027  (Intro. To Probability and Statistics) | 3 | ( |  |
| ORS RESEARCH  ( | 3 | ORS RESEARCH  ( | 3 | ( |  |
| Credits | 17 | Credits |  | Credits |  |
| **4TH YEAR** | | | | | |
| **FALL 2018** |  | **SPRING 2019** |  | **SUMMER 2019** |  |
| ECE 4011  (ECE Culminating Design Project I) | 2 | ECE 4012  (ECE Culminating Design Project II) | 3 | GET A JOB IN THE REAL WORLD  ( |  |
| CX 4010  (Computational Problem Solving for Sci. & Eng.) | 3 | ( |  |  |  |
| CS 4400  (Introduction to Database Systems) | 3 | ( |  |  |  |
| ( |  | ( |  |  |  |
| ( |  | PHIL 3109  (Engineering Ethics) | 3 |  |  |
| ( |  | ( |  |  |  |
| Credits |  | Credits |  | Credits | 0 |
| **GOALS** | | | | | |
| Spanish Minor | 15 | International Plan | 26 | Tech. & Management Minor | 22 |
| Computer Science Minor | 15 | Research / ORS Scholar | 10 | Co-Op/Internship | 0 |
| Computer Engineering Electives | 22 |  |  |  |  |
| **POST GRADUATION** | | | | | |
| Space Program | | Big Name Hardware Company | | Masters in Computer Engineering | |
| M.B.A. | | Start Company | |  | |
|  | |  | |  | |

* Thermo Dynamics
* Fluid Mechanics
* Def Bods
* Dynamics

CS Data Analysis Minor