

**Name:** Liyu Getaneh Berhanu  
**Level:** First-year  
**Programs:** BS in Computer Science  
 Minor in SCS Concentration in Security  
 & Privacy  
**Planned:** 37 courses (367 units)

**Andrew id:** lberhanu  
**Campus:** Doha  
**Advisors:** Ryan Riley  
 Dudley Reynolds  
 Preetha Gopinath

### Fall 2026 - 43 units attempted

| Course or Activity                                             | Units | Status  |
|----------------------------------------------------------------|-------|---------|
| 99-102 Core@CMU (V1)                                           | 3     | Planned |
| 21-120 Differential and Integral Calculus (W)                  | 10    | Planned |
| 07-129 Freshmen Immigration Course (W1)                        | 3     | Planned |
| 15-112 Fundamentals of Programming and Computer Science (W, 3) | 12    | Planned |
| 21-108 Introduction to Mathematical Concepts (W2)              | 6     | Planned |
| 76-100 Reading and Writing in an Academic Context (ZZ)         | 9     | Planned |

### Spring 2027 - 52 units attempted

| Course or Activity                          | Units | Status  |
|---------------------------------------------|-------|---------|
| 21-127 Concepts of Mathematics              | 12    | Planned |
| 33-104 Experimental Physics                 | 9     | Planned |
| 21-122 Integration and Approximation        | 10    | Planned |
| 76-101 Interpretation and Argument          | 9     | Planned |
| 15-122 Principles of Imperative Computation | 12    | Planned |

### Fall 2027 - 45 units attempted

| Course or Activity                          | Units | Status  |
|---------------------------------------------|-------|---------|
| 15-213 Introduction to Computer Systems     | 12    | Planned |
| 09-105 Introduction to Modern Chemistry I   | 10    | Planned |
| 21-241 Matrices and Linear Transformations  | 11    | Planned |
| 15-150 Principles of Functional Programming | 12    | Planned |

### Spring 2028 - 42 units attempted

| Course or Activity                                            | Units | Status  |
|---------------------------------------------------------------|-------|---------|
| 70-332 Business, Society and Ethics                           | 9     | Planned |
| 15-251 Great Ideas in Theoretical Computer Science            | 12    | Planned |
| 15-210 Parallel and Sequential Data Structures and Algorithms | 12    | Planned |
| 76-270 Writing for the Professions                            | 9     | Planned |

### Fall 2028 - 49 units attempted

| Course or Activity                         | Units | Status  |
|--------------------------------------------|-------|---------|
| 21-259 Calculus in Three Dimensions        | 10    | Planned |
| 15-356 Introduction to Cryptography        | 12    | Planned |
| 76-239 Introduction to Film Studies        | 9     | Planned |
| 80-100 Introduction to Philosophy          | 9     | Planned |
| 17-333 Privacy Policy, Law, and Technology | 9     | Planned |

**Spring 2029 - 43 units attempted**

| Course or Activity                       | Units | Status  |
|------------------------------------------|-------|---------|
| 15-330 Introduction to Computer Security | 12    | Planned |
| 09-106 Modern Chemistry II               | 10    | Planned |
| 15-441 Networking and the Internet       | 12    | Planned |
| 70-311 Organizational Behavior           | 9     | Planned |

**Fall 2029 - 45 units attempted**

| Course or Activity                         | Units | Status  |
|--------------------------------------------|-------|---------|
| 15-451 Algorithm Design and Analysis       | 12    | Planned |
| 09-111 Chemical Building Blocks            | 9     | Planned |
| 17-313 Foundations of Software Engineering | 12    | Planned |
| 11-485 Introduction to Deep Learning       | 12    | Planned |

**Spring 2030 - 48 units attempted**

| Course or Activity                                  | Units | Status  |
|-----------------------------------------------------|-------|---------|
| 05-391 Designing Human Centered Software            | 12    | Planned |
| 73-102 Principles of Microeconomics                 | 9     | Planned |
| 36-218 Probability Theory for Computer Scientists   | 9     | Planned |
| 15-316 Software Foundations of Security and Privacy | 9     | Planned |
| 17-334 Usable Privacy and Security                  | 9     | Planned |