

Student Academic Qualifications Summary for UB Department of Computer Science and Engineering

Will have completed, when finished with Junior Year

Key Courses:

- Java programming
- C++ programming
- Maple, Matlab
- Microprocessors
- Basic electronic circuits
- Basic Devices

Technical Skills:

- Instrumentation
 - Electronic circuits
 - Microprocessor controls
- Advanced programming
- Device interfacing
- Data acquisition system
- Technical communication skills

Will have completed, when finished with First Semester of Senior Year

Knowledge Areas:

- Electronics/instrumentation
- Integrated circuit design
- Computer organization
- Software engineering
- Computer interfaces
- Computer networks
- Operating systems