

COMPUTER ENGINEERING MASTER OF SCIENCE DEGREE PROGRAM CHECKLIST
COLUMBIA UNIVERSITY
 Updated September, 2021

Name (please print): _____

UNI: _____

Core Courses		
Number	Name	Points
Other Courses		
Number	Name	Points

- 30 points of credit
- 15 points Core Computer Engineering (list below)
- 12 points 6000 level EE or CS courses
- Advisor approval for all courses outside of SEAS
- No credit for 3000 level or lower courses
- GPA above 2.7
- no more than 9 points research (e.g., ELEN E4998, ELEN E6001, COMS W4901)
- no more than 3 points of APPROVED nontechnical courses (including courses in SEAS with significant non-technical content)
- Completion within 5 years
- No grade of P or R
- No credit for courses with material typically found in undergraduate engineering programs, such as a 4000-level course in Probability

Approvals

for the Department: _____ date: _____

for the Dean: _____ date: _____

Note: A copy of an approved BS excess sheet must be attached if any of the listed courses were taken during the BS.

Core Computer Engineering MS Courses (updated September 2021)
COMS E6424 Hardware Security
COMS W6998 Topics: In Comp. Science: Data Center Networks
CSEE E6180 Modeling and Performance Evaluation
CSEE E6824 Parallel computer architecture
CSEE E6861 Computer-aided design of digital systems
CSEE E6863 Formal Verification of Hardware & Software
CSEE E6868 Embedded scalable platforms
CSEE W4119 Computer networks
CSEE W4140 Networking Laboratory
CSEE W4823 Advanced logic design
CSEE W4824 Computer architecture
CSEE W4840 Embedded systems
CSEE W4868 System-on-chip Platforms
EECS E4321 Digital VLSI circuits
EECS E4750 Hybrid Computing for Signal & Data Processing
EECS E4764 Internet of Things – Intelligent & Connected Systems
EECS E4951 Wireless Networks & Systems
EECS E6321 Advanced digital electronic circuits
EECS E6322 VLSI Hardware Architecture for Signal
EECS E6765 Internet of Things - Systems & Physical Data Analytics
COMS 6998 E024 or ELEN 6775 E001 Advanced Computer Networks
EECS E6897 Distributed Storage Systems