COMPUTER ENGINEERING MASTER OF SCIENCE DEGREE PROGRAM CHECKLIST
COLUMBIA UNIVERSITY
Updated June, 2024

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 nontechnical 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: If any of the listed courses were taken during the BS, a copy of an approved BS excess sheet must be attached.

Core Computer Engineering MS Courses
CSEE W4119 Computer Networks
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 Heterogeneous Computing for Signal and Data Processing
EECS E4764 Internet of Things – Intelligent & Connected Systems
COMS E6424 Hardware Security
CSEE E6180 Modeling and Performance Evaluation
CSEE E6863 Formal Verification of Hardware & Software
CSEE E6868 Embedded Scalable Platforms
EECS E6321 Advanced Digital Electronic Circuits
EECS E6692 TOPICS DATA-DRIVEN ANAL & COMP - Deep Learning on the Edge
EECS E6897 Distributed Storage Systems
EECS E6894: Hardware/Software Co-Design for Data Center Processing
Advanced Computer Networks (course number varies by semester)