**USC**

**Master of Science in Computer Science for Scientists and Engineers 春秋两季**

<https://viterbigradadmission.usc.edu/programs/masters/msprograms/computer-science/ms-cs-scientists-engineers/>

2年 37学分 STEM

录取后不可以申请转专业，但是可以任选其它CS院的选秀课

a Bachelor’s degree in engineering or science but a limited background in computer science

**申请要求：**

理工科相关背景

GRE.(4852)

Personal Statement : The personal statement should describe succinctly your reasons for applying to the proposed program at the Viterbi School of Engineering, your preparation for this field of study, study interests, future career plans, and other aspects of your background and interests which may aid the admissions committee in evaluating your aptitude and motivation for graduate study.

推荐信opt.

托福90（20）（4852）/雅思6.5（6.0）

**DDL:** Fall-12.15/1.15

Spring-8.31/9.15

**Curriculum：**37 program units. 33 degree applicable units.

**Preparatory Programming Requirement:**

1 course required - 4 units total.

CSCI 455x - Introduction to Programming Systems Design (4)

CSCI 455x is a preparatory requirement for this program and must be completed in the first semester. The units for this course do not count toward the 33 units required for the degree.

**Foundational Requirements:**

2 courses required - 8 units total.

CSCI 402 - Operating Systems (4)

EE 450 - Computer Networks (4) OR EE 457 - Computer Systems Organization (4)

CSCI 402 should be taken in either your 2nd or 3rd semester, after CSCI 455x.

**Core Requirement:**

CSCI 570 - Analysis of Algorithms (4)

Computer Science Elective Courses (21 units):

**Select the remaining units from approved 500-to-600-level course work from Computer Science.**

**Recommended Electives for CS Scientists & Engineers:**

CSCI 561 - Foundations of Artificial Intelligence (4)

CSCI 571 - Web Technologies (4)

CSCI 585 - Database Systems (4)

CSCI 576 - Multimedia Systems Design (4)

CSCI 577a - Software Engineering (4)

CSCI 577b - Software Engineering (4)

CSCI 580 - 3D Graphics and Rendering (4)

Remaining units can be completed with the following:

CSCI 590 - Directed Research (1-2, max 2)

CSCI 591 - Computer Science Research Colloquium (1, max 2)

**A maximum of 2 units of CSCI 590 and a maximum of 2 units of CSCI 591 may be applied.**

Thesis courses (CSCI 594a, CSCI 594b, CSCI 594z) and Internship courses (ENGR 595a, ENGR 595b, ENGR 595z) are not eligible for elective credit.

**NEU Khoury College**

**Align Master's Program 2.5年**  [khoury-align@northeastern.edu](mailto:khoury-align@northeastern.edu)

<https://align.khoury.northeastern.edu/campuses/>

6个校区可选Boston, Portland, San Francisco, Seattle, Silicon Valley, Vancouver

课程设置：

2 学期 Align academic bridge courses to prepare for Master’s+ 2学期硕士课程+4-8个月的带薪实习co-op+一学期硕士课程

**申请要求：**

<https://www.khoury.northeastern.edu/academics/masters/masters-apply/#_ga=2.34601121.1218905012.1597651657-708339798.1596595361>

托福100+/雅思7.5+（英语国家获得本博学位可以申请免语言）

**Essays**

■Align applicants are given three essay prompts in lieu of the statement of purpose. Two out of three are required. They are: ■Essay 1 (250 words): Align students often cite the critical importance of perseverance – the capacity to keep iterating and working a problem. Tell us about a time you had to persevere? How has that shaped your career trajectory?

■Essay 2 (250 words): Some of our students wish to take their passion and combine it with tech; others wish to leave their past experiences behind and dive head-first into the computer science world. What drives your transition into tech?

■Optional (250 words): If you believe the above questions have not given you an opportunity to tell us enough about yourself, feel free to use this section to highlight something about yourself you think is essential to understanding who you are and what drives you.

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**DDL:** 10月1号开放申请；Fall-4.15/ Spring-5月15开放申请-11.1

**GWU**

**Master of Science in Computer Science**

<https://graduate.seas.gwu.edu/masters-computer-science>

he Master of Science in Computer Science helps students acquire advanced programming and coding skills that going beyond basic concepts to cover topics such as artificial intelligence, graphic and user interface and cloud computing.

30学分/2年 Thesis options: Thesis and non-thesis options are available

**Admissions Requirements**

Bachelor's degree in any field with coursework in the following areas:

Mathematics: Two courses beyond calculus level

**Lab science: One year's worth of coursework**

Computer science: Prior coursework in a structured language, discrete structures, data structures or computer architecture

雅思最低6.0（5.0），建议7.0（6.0）/托福80，建议100+ （在英语国家获得本硕博学位可以申请免语言）

**Tufts Uni.**

**M.S. in Computer Science**

<https://engineering.tufts.edu/cs/current/ms/computer-science>

30学分 1年或者2年（论文） 有转专业申请成功的案例

Students in the M.S. degree program in Computer Science can choose to complete a master’s thesis or a course-based study track. The M.S. program can be completed in one year, or **two years with an optional thesis**. In this program, students can pursue interdisciplinary collaborations within Tufts School of Engineering and across the university.

课程设置可参考链接

**M.S. in Software Systems Development**

<https://engineering.tufts.edu/cs/current/ms/software-systems-development>

The Master of Science in software systems development prepares students for careers in a fast-growing technology market. Students will learn how to design, build, and test systems programs in C and C++ through a set of courses containing practical experience in all aspects of C/C++ software development. Students may choose between completing a master’s thesis or a course-based study track.

课程设置可参考链接

**申请要求： [tgi@tufts.edu](mailto:tgi@tufts.edu)**  [gradadmissions@tufts.edu](mailto:gradadmissions@tufts.edu)

<https://asegrad.tufts.edu/admissions>

GRE (3901)

托福100+(3901)/雅思7.5+（递交申请前在英语系国家获得学位可免or入学前在英语系国家连续学习2年及以上） [InternationalCenter@tufts.edu](mailto:InternationalCenter@tufts.edu)

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**DDL:1.15**

**CMU**

1. **S. in Software Engineering 春秋2季开学**

<https://www.ece.cmu.edu/academics/ms-se/index.html>

The Master of Science in Software Engineering (M.S.-SE) is a unique program offered exclusively at CMU’s Silicon Valley campus.

这是卡梅在硅谷的项目，属于ECE院，不是计算机学院的，申请方面不强制要求学生有计算机或者是EE背景，也是很多学生会选择的，比较位置好，卡梅的名气大，竞争依然激烈

Software engineering is about solving real world problems through effective engineering practices spanning software requirements, interaction design, architecture, technical design, implementation, quality assurance, and delivery. Since the work is done in teams, software engineering is also deeply concerned with effective collaboration and work organization.

Core Software Engineering Courses

The M.S.-SE program does offer the possibility of taking courses in a variety of computing fields, including computer science, cyberphysical systems, mobile computing, security and privacy, data science, machine learning, and artificial intelligence, but its main orientation is software engineering. The following are core software engineering courses:

18-652 Foundations of Software Engineering

18-653 Software Architecture and Design

18-654 Software Verification and Testing

18-657 Decision Analysis and Engineering Economics for Software Engineers

18-658 Software Requirements and Interaction Design

18-659 Software Engineering Methods

18-668 Data Science for Software Engineering

**申请要求：**  10.1开放申请

<https://www.ece.cmu.edu/admissions/index.html>

托福84, with minimum sub-scores of IBT-R 22, IBT-L 22, IBT-S 18, and IBT-W 22 (ETS 2074)

**DDL:** 12.15/1.15

**NCSU**

**Master of Science (thesis)**

<https://www.csc.ncsu.edu/academics/graduate/index.php>

有3个Track：

Track in Data Science

Track in Security

**Track in Software Engineering**

**申请要求：**

<https://www.csc.ncsu.edu/academics/graduate/procedure.php>

先修课：

**Mathematics:** calculus (2 or 3 semesters), probability and statistics (typically at a junior or senior level), and **discrete math**. A course in linear algebra can also be helpful.

**Programming and algorithmic thinking:** 2 semesters of objected-oriented programming (Java, C++, or the like), and a course in **data structures**. A course in algorithm analysis / automata theory is worth considering.

**Computer systems:** a course on computer organization, and possibly a course on operating systems.

GRE录取数据: Verbal Reasoning 62%, Quantitative Reasoning 92%, and Analytical Writing 47%

最低要求是4个18，TA的口语要求是23/雅思是4个6.5，TA的口语要求是7.0；托福录取平均数据：106 （免语言条件：美国完成至少一年的本科学习）

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**PERSONAL STATEMENT**

Applicants are requested to write a statement of purpose up to 500 words in length, addressing the following points:

Highlights of your qualifications

Reasons for seeking a graduate degree in Computer Science

Reasons for applying to N.C. State

**DDL:** Fall-12.15/Spring-10.1

**U of Florida**

M.S. in Computer Science

<https://www.cise.ufl.edu/academics/graduate/masters-program/>

Master’s students may choose between the thesis and the non-thesis options.

**申请要求：**

先修课Undergraduate Prerequisite Courses or equivalent:

Calculus

Statistics

Introduction to CIS

Applied Discrete Structures

Introduction to Computer Organization

Data Structures and Algorithms

Operating Systems

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**需邮寄成绩单：**

Mail your official transcripts and degree certificates (international students) to the address below:

Graduate Admissions Office

University of Florida

201 Criser Hall

PO Box 114000

Gainesville, FL 32611-4000

**T90 （5812）/雅思7.0**

**DDL Fall-2.1/Spring-8.1**

**课程设置：**



**Columbia Uni.**

**CS@CU MS Bridge Program in Computer Science 夏/秋/春开**

<https://www.cs.columbia.edu/ms-bridge/>

3学期，可以申请免掉一些语言课程 这个好像只能Part-time 我已经邮件问学校了

offers prospective applicants from non-computer science backgrounds, and those without programming experience, the opportunity to acquire the knowledge and skills necessary to build careers in technology.  
The CS@CU MS Bridge Program Curriculum can be customized to meet the needs of our students. The typical course plan will include bridge coursework during the first three semesters (Summer, Fall, & Spring) followed by the traditional MS program coursework.

**申请要求：**

10月开放申请

申请bridge项目之后无需再继续递交MS的申请

录取平均GPA3.7+

Average GRE Q: 161

Average GRE A: 4

Average GRE V: 159

T101+/雅思7.0+

Official transcript copies from every post-secondary institution attended

Three recommendation letters

Standardized Tests: Official Graduate Record Examination (GRE) General Test Scores\*; TOEFL, IELTS, or PTE if applicable

Personal statement

Resumé or Curriculum Vitae

An interview may be requested

$85 non-refundable application fee

**DDL:3.1**

**MS IN COMPUTER SCIENCE PROGRAM**

<https://www.cs.columbia.edu/education/ms/>

**FAQ:**

<https://www.cs.columbia.edu/ms-bridge/ms-bridge-faq/>

持有OPT的学生，可以申请参加part-time课程

**UPenn**

**The Master of Computer and Information Technology (MCIT) program**

<https://catalog.upenn.edu/graduate/programs/computer-information-technology-mcit/>

为无计算机本科背景的学生开设，2年制项目，最多可7年完成；

6门必修课+4门选修课；班级人数约50人左右

录取后需要做相关认证 China Credential Service (CHESICC)

a rigorous graduate-level program that gives talented students who **have no prior experience** in Computer Science an opportunity to embark on a highly successful career in computing and technology, often in coveted interdisciplinary roles or even in purely technical software development positions.

MCIT students may apply to continue in the Master of Science in Engineering in Computer and Information (CIS/MSE) program.

MCIT学生可继续申请学院其它计算机相关项目

**6 Required Courses** MCIT students must complete all six of the following courses:

CIT 591 Introduction to Software Development

CIT 592 Mathematical Foundations of Computer Science

CIT 593 Introduction to Computer Systems

CIT 594 Data Structures & Software Design

CIT 595 Computer Systems Programming

CIT 596 Algorithms & Computation

**往年录取数据：**

**Fall 2019 MCIT admission statistics 14%录取率**

552 applicants to the MCIT program

78 candidates admitted

49 students matriculated

Candidates admitted to the MCIT program: Average GRE: V 161/Q 166/AW 4

**Fall 2018 MCIT admission statistics 10%录取率**

714 applicants to the MCIT program

73 candidates admitted

48 students matriculated

Candidates admitted to the MCIT program: Average GRE: V 161/Q 167/AW 4

**录取要求：**  [admissions2@seas.upenn.edu](mailto:admissions2@seas.upenn.edu)

<https://gradadm.seas.upenn.edu/how-to-apply/>

**Personal Statement – we recommend the following guidelines for the personal statement:**

No more than two pages in a readable font/size:

Use answers to the following questions to guide your writing; please provide detailed and specific examples from academia, industry or research when possible:

Why are you interested in this program?

What have you done that makes you a great candidate?

How will you benefit from the program?

How do you plan to contribute to the student community in SEAS while you’re here?

Why will you succeed in the program?

What will you do/accomplish once you have completed the program?

**2封推荐信**

T100+（2888）/雅思7.5+

GRE (2888)

**DDL:** 11.15 - 1.15 （结果通知）

3.15 - 5.7前

**UCI Donald Bren School of Information and Computer Sciences**

**M.S in Computer Science 仅秋季开学**

<https://www.ics.uci.edu/grad/degrees/index.php>

**申请要求：**9.5开放申请 [gradapplicant@uci.edu](mailto:gradapplicant@uci.edu) 单季可申请多个专业

<https://www.ics.uci.edu/grad/admissions/Prospective_ApplicationProcess.php>

申请不需要本科CS背景；it is helpful if you have taken courses in computer science and math, and/or have some related work experience

GRE (4859)

T80+(4859)/7.0（6.0）

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Statement of Purpose and Personal History Statement

Both the Statement of Purpose and Personal History Statement are required for your application to be complete. The Statement of Purpose should focus on your academic/research background and interests. The Personal History Statement essay should focus on your personal background and any challenges or obstacles you may have encountered in your academic journey and how you overcame them.

**DDL: 12.15**

**FAQ:**

<https://grad.uci.edu/admissions/applying-to-uci/frequently-asked-questions.php>