BROWN SCHOOL OF ENGINEERING
Data-Enabled Computational Engineering and Science

MASTER'S STUDENT HANDBOOK

ACADEMIC YEAR 2025-2026

Welcome to the Brown School of Engineering!

We are glad that you have chosen to conduct your graduate studies at the Brown School of Engineering. Brown University has a proud history in American engineering education. Engineering at Brown is the third oldest civilian program in the country and the first program founded in the Ivy League.

The School of Engineering reflects the rigor, collaborative spirit, and creativity of its faculty and the idealism, curiosity, and pioneering ethos of its students. Teaching and research in the School of Engineering reflects the unique position Brown holds in higher education – an institution that provides the close mentoring relationships characteristic of a liberal arts college, the intellectual excitement of a research-intensive university, and an open curriculum that allows students to be the architects of their own education. Your enrollment in our highly selective programs is an opportunity to foster your intellectual independence and exploration to contribute in your own way to understand and develop technology to address challenges of the future.

Note: This handbook is a supplement to the Graduate School Handbook. Its format is intended to be viewed digitally as it contains many links to related university resources. The current digital version can be viewed at: Programs Guide | Engineering | Brown University

TABLE OF CONTENTS

I. STATEMENT OF PURPOSE

This handbook is provided to students enrolled in the Brown University School of Engineering master's program in Electrical and Computer Engineering and is intended to help students navigate the process toward obtaining their degree. It does not replace the school's graduate advising, but instead is intended as a reference guide to provide supplemental information.

II. INTRODUCTION

This handbook is intended to aid new students in their transition into graduate school as well as assist all students toward the successful completion of their degree while fulfilling associated requirements. It is each graduate student's personal responsibility to read and understand the information pertaining to graduate studies at Brown, which can be found in this handbook, in the Graduate School Handbook, and in the University Bulletin.

III. MISSION STATEMENTS

The Missions of Brown University and the School of Engineering

IV. DECES MASTER'S DEANS AND DIRECTORS

Associate Dean of Educational Initiatives	Celinda Kofron
Director of Graduate Studies (DGS) for Engineering (Fall 25) Director of Graduate Studies (DGS) for Engineering (Spring 26)	Robert Hurt Eric Chason
Data-Enabled Computational Engineering and Science (DECES) Master's Academic Directors and Program Director	Yuri Basilevs George Karniadakis Michael Donohue

V. MASTER'S STUDENT AFFAIRS STAFF

Students who have questions or matters of concern about student advising should contact a member of the Student Affairs Team. B&H refers to Barus & Holley, one of the two School of Engineering buildings. The other being the Engineering Research Center (ERC).

Name	Title	Office	Phone
Kathleen DiOrio	Manager, Student Affairs	B&H 312	863-1296
Ann Wang	Student Affairs Coordinator	B&H 312	863-6843

VI. UNIVERSITY POLICY INFORMATION

The following links provide information for important university-wide resources:
University Bulletin

Affirmative Action
Nondiscrimination and Anti-Harassment Policy
Gender Discrimination and Sexual Violence (Title IX)
Title IX Policy

The University Bulletin also includes a General Regulations section containing information on academic requirements, course registration, grading, exams, and Student Conduct and Community Standards.

VII. ETHICS AND PROFESSIONALISM

Both Brown and the School of Engineering have strict policies regarding ethics and professionalism. Unethical behavior or any type of academic dishonesty will not be tolerated. As a graduate student, you are responsible for knowing and abiding by the Student Conduct and Community Standards.

All students are expected to have read in full and be familiar with Brown's Academic Code and Code of Student Conduct. In addition, all students conducting research must complete BEARCORE, the University's program on ethics and responsible research conduct, which details responsible conduct of research.

VIII. STUDENT TIMELINES, TUITION, AND STANDING

A. Timelines for Master of Science (Sc.M.) Students

The DECES Sc.M. program duration default is enrollment for four (4) semesters. All DECES Sc.M. students are admitted into the four-semester, two-year trajectory (2+2+2+2). Students must update their track, program plan, and expected date of completion (EDOC) by the end of their first semester. All updates must be approved by the Academic Director.

Typical timelines:

- The typical timeline for Thesis Track is 4 semesters or 2 years:

1st semester	2nd semester	3rd semester	4th semester
3 courses	2 courses (plus research)	2 courses (plus research)	1 reading/research course

- The timeline for Non-Thesis Track is flexible: 2-4 semesters with at least 2 courses per semester enrolled (with an exception for the last semester of enrollment).

Example #1:

1st semester	2nd semester	3rd semester	4th semester
2 courses	2 courses	2 courses	2 courses

Example #2:

1st semester	2nd semester	3rd semester	4th semester
3 courses	3 courses	2 courses	n/a

- The Professional Track can be incorporated into the Thesis Track (with research advisor permission) or Non-Thesis Track
- Part-time students can take as few as one course per semester and as many as 8 semesters for completion

If you vary from the expected courses or number of courses per semester, this could affect your completion date and tuition costs. In addition, there may be visa implications for international students who deviate from the program structure. International students must be enrolled full-time. There are rare exceptions to this, such as during the very last semester of coursework when enrollment in only one course is permitted, or in the case of medical necessity.

At the start of the first term, all students will receive an electronic master's program plan during the week of the orientation. Students will be asked to list their course plan, choice of Thesis or Non-Thesis Track and opt in or opt out of the Professional Track. The form must be completed and submitted to Ann Wang, Student Affairs Coordinator, before the end of the Fall course shopping period. Students should plan to meet with the academic director and/or your research advisor to discuss changes to their program plan.

International students must be enrolled full-time* at all times throughout their academic program, with these few exceptions:

- Documented medical reasons (up to a maximum of one year)
- Documented academic reason (one semester only)
- During the last semester of coursework (enrollment in only one course is permitted)

*Enrollment in ENGN 2960 is considered full-time enrollment.

B. Tuition Deadlines and Expectations

The deadline for paying your fall semester tuition bill is August 1; the payment deadline for spring semester is January 1. Billing and Payment Information can be found on the Graduate School website and the Bursar website.

All students will be billed for the minimum of two courses. Once you have registered for a third course you will receive an updated bill for that third course. Account balances not paid by the deadline are assessed a 1.5% late fee. Students with account balances will have a hold placed by the Bursar Office on their student records. Please note: The University Bursar hold will prevent students from receiving academic transcripts, receiving their diploma, bookstore charging privileges, and participating in pre-registration for upcoming terms.

Once the student account is paid and cleared, holds are released and privileges restored.

Current tuition deadlines and policies may be found on Brown's Graduate School site and also in the Policies section of the Bursar webpage.

C. Academic Standing

A student's academic standing will be evaluated at the end of each semester.

- To maintain *Good* standing, a student must pass their required courses. This means that a grade of C or higher is obtained in courses approved in their program plan. It is expected that all courses will be taken in the grading option of ABC/NC. In general, courses/credits may not be taken on an S/NC basis, except for Graduate Independent Study. A mandatory S/NC course requires the Academic Director's approval and the agreement of the professor to write a course evaluation on the student's course performance for the Program.

- *Satisfactory* standing indicates that the students have encountered some difficulty in the program. Difficulties could include receiving incomplete (INC) or no credit (NC) or missing (M) grade in a course, or subpar research performance toward a thesis.
Note: Students who receive no credit in a course are required to take an additional course subject to additional tuition fees.

- A student may be placed on *Warning* for recurring performance issues. If performance is not improved during a semester on Warning, a student may be terminated from the program.

Standing changes to *Satisfactory* or *Warning* are communicated to students in writing by the Academic Director. The communication will include clear expectations and timelines to improve standing and the consequences of not meeting the criteria. Student standing does not appear on external academic transcripts.

D. Leave of Absence

All students seeking to take time away from their program of study must complete the appropriate leave of absence (LOA) request in UFunds. Students considering a medical leave of absence should consult with Janaé Victoria, Assistant Dean of Student Affairs in the School of Professional Studies (SPS). University Health Services and/or Counseling and Psychological Services may also be utilized as needed. All other leaves (personal, professional development, family, and academic - probationary) require the student to fill out the graduate leave of absence form in UFunds. You must identify the Engineering DGS **OR** your Academic Director **AND** Ann Wang as recommenders before submitting.

IX. DEGREE REQUIREMENTS

Brown's School of Engineering offers several options for the Master of Science (Sc.M.) degree, whether your goal is further academic pursuits or improving your employment potential. Options below may be chosen and programs tailored toward your individual needs:

A. Data-Enabled Computational Engineering and Science - Master of Science (Thesis)

- Candidates must complete a coherent plan of study based in engineering or engineering science consisting of eight graduate or advanced level courses and an acceptable thesis, which is normally sponsored by a member of the Engineering faculty.
- For detailed master's thesis submission instructions, please visit: Master's Requirements | Graduate School | Brown University
- Students are expected to complete the Master of Science – Thesis program option in three or four semesters.
- In the three-semester format, the students are expected to take three courses in the first semester, three in the second semester, and two in the third semester.
- However, in the second and third semesters, the students may sign up for a "Special Topics: Reading Research and Design" type class (i.e., ENGN 2980 or equivalent in APMA) to satisfy the eight-course requirement.
- In the four-semester model, students are expected to take three courses in the first semester, two in the second semester, two in the third semester, and one in the fourth semester.
- In both cases, the "Special Topics: Reading Research and Design" course may be counted up to two times toward the degree.
- Students should choose courses in consultation with the academic director and/or research advisor to develop a coherent program.
- The proposed program of study must be approved by the academic director. Courses in entrepreneurship and technology management are typically not acceptable as engineering or science courses or electives.

For students in a Master of Science in DECES program (Thesis Track), the approved course sequence is 2-2-2-2, where the student takes two courses in each semester. However, the program strongly recommends a sequence of 3-2-2-1 where the student takes 3 courses the first semester, 2 the second, 2 the third, and 1 the fourth.

B. Data-Enabled Computational Engineering and Science - Master of Science (Non-Thesis)

- Candidates must complete a coherent plan of study based in engineering or engineering science consisting of eight graduate or advanced level courses.
- Students are expected to complete the Master of Science – Non-Thesis program option in three semesters, taking three courses in the first and second semesters, and two courses in the third semester (i.e., the 3-3-2 model).
- One-year completion is also possible with students taking four courses in the first semester and four courses in the second (i.e., the 4-4 model). The maximum duration students may take to complete will be four semesters.
- Students should choose courses in consultation with the academic director to develop a coherent program.
- The proposed program of study must be approved by the academic director. Courses in entrepreneurship and technology management are typically not acceptable as engineering or science courses or electives.

For students in the Master of Science in DECES program (Non-Thesis Track), the approved course sequence is 3-3-2, meaning the student takes 3 courses the first semester, 3 the second, and 2 the third.

C. Data Enabled Computational Engineering and Science Master of Science (Professional Track)

- Non-thesis and thesis students can also complete the professional track, but thesis students need permission from their thesis advisor to pursue this track.
- In addition to the requirements outlined above, a paid or unpaid experiential learning experience of 3-6 months is a required component of the professional track program. Experiential learning can include one of the following (but not both):
    - A summer internship directly related to the program of study
    - Completion of ENGN 2960 (Experiential Learning in Industry (ELI)) as an elective course. *Note: students enrolled in ENGN 2960 are considered full-time students.*
- All internships must be approved by the School of Engineering in collaboration with the Office of International Student and Scholar Services (OISSS), if applicable.
- ***IMPORTANT****: You must never begin work before your internship is approved.*

For students in the Data-Enabled Computational Engineering and Science program (Professional option), the approved course sequence is 2-2-2-2, meaning the student takes 2 courses each semester for 4 semesters.

D. Sample Programs of Study

The following is a sample guide to courses recommended for ChemE or EnvE master's degree candidates. Each student should discuss courses with the Academic or Program Director. Ultimately, the student is responsible for proposing a coherent set of courses that satisfy the School of Engineering's Sc.M. Requirements. For the most recent course descriptions, please visit Courses@Brown.

Please note that most ScM students do not enroll in ENGN 2970 Preliminary Exam Prep or ENGN 2990 Thesis Preparation. Both of these courses offer no credit, but enrollment in them incurs tuition charges.

Listed below are some of the popular courses among DECES master's students, offered by engineering, APMA, Computer Science, and other departments. For the most up to date and authoritative information, please consult Banner and Courses@Brown.

Engineering courses:

ENGN 2010 Mathematical Methods in Engineering and Physics I
ENGN 2020 Mathematical Methods in Engineering and Physics II

ENGN 2912B Scientific Programming in C++
ENGN 2912V Deep Learning for Scientists and Engineers
ENGN 2605 Image Understanding
ENGN 1750 Advanced Mechanics of Solids
ENGN 2020 Mathematical Methods in Engineering and Physics II
ENGN 2210 Continuum Mechanics
ENGN 2220 Mechanics of Solids
ENGN 2340 Computational Methods in Structural Mechanics
ENGN 2410 Thermodynamics of Materials
ENGN 2520 Pattern Recognition and Machine Learning
ENGN 2790 Quantum Optics
ENGN 2810 Fluid Mechanics I
ENGN 2820 Fluid Mechanics II
ENGN 2930 Atomistic Modeling of Materials
ENGN 2980 Special Projects, Reading, Research and Design

Applied Math courses:

APMA 1690 Computational Probability and Statistics
APMA 1930 Optimization and Stochastic Calculus
APMA 2070 Deep Learning for Scientists and Engineers
APMA 2190 Non-Linear Dynamic Systems
APMA 2550 Numerical Solution to Partial Differential Equations I
APMA 2560 Numerical Solution to Partial Differential Equations II
APMA 2570B Numerical Solution to Partial Differential Equations III
APMA 2580A Computational Fluid Dynamics
APMA 2580B Computational Fluid Dynamics for Compressible Flows
APMA 2822 High Performance Computing
APMA 2630 Theory of Probability I
APMA 2822B Introduction to Parallel Computing on Heterogeneous (CPU+GPU) Systems

Computer Science courses:

CSCI 2470 Deep Learning
CSCI 2952 Robustness in Machine Learning
CSCI 2952 Robust algorithms in Machine Learning
CSCI 1420 Machine Learning
CSCI 1460 Computational Linguistics
CSCI 1570 Theory of Algorithms
CSCI 1290 Computational Photography

Other departments:

PHYS 2140 Statistical Mechanics
CLPS 1291 Computational Methods for Mind, Brain, And Behavior
EEPS 1340 Machine Learning for The Earth and Environment
DATA 2060 Machine Learning: from Theory to Algorithms
DATA 1050 Data Engineering
NEUR 1680 Computational Neuroscience

Sample Course Plans

Outcome is acceptance into PhD program	Thesis Option	Three Semesters (2+3+3)
Courses	Fall Semester	Spring Semester
Year 1	ENGN 2912Q Chemically Reactive Flow ENGN 2911R Analytical Modeling for Biomechanical and Biomedical Systems	CSCI 2952C Learning with Limited Label Data APMA 2550 Numerical Solution PDE I ENGN 2980 Special Projects: RRD
Year 2	APMA 1860 Graphs and Networks APMA 2070 Deep Learning ENGN 2980 Special Projects: RRD	

Outcome is acceptance into PhD program	Thesis Option	Three Semesters (3+2+3)
Courses	Fall Semester	Spring Semester
Year 1	CSCI 2470 Deep Learn APMA 2550 Numerical Solution PDE I ENGN 2210 Continuum Mechanics	APMA 2070 Deep Learning APMA 2560 Numerical Solutions PDE II
Year 2	ENGN 2340 Comp Methods Structural Mechs ENGN 2980 Special Projects: RRD ENGN 2980 Special Projects: RRD	

Outcome is acceptance into National Lab	Non-Thesis Option	Four Semesters (2+2+2+2)
Courses	Fall Semester	Spring Semester
Year 1	ENGN 2920M Materials of interface for energy storage devices PHYS 2020 Mathematical Methods for engineers and physicists	APMA 2070 Deep Learning for scientists ENGN 2930 Atomistic Modeling of Materials
Year 2	APMA 2812F Advanced Topics in Stochastic Process PHYS 2470 Advanced Statistical Methods	PHYS 2600 Computational Physics APMA 2120 Hilbert Space and Applications

Outcome is acceptance into Industry Consulting	Thesis Option	Three Semesters (2+3+3)
Courses	Fall Semester	Spring Semester
Year 1	ENGN 1300 Structural Analysis ENGN 1740 Computer Aided Visualization	ENGN 2340 Comp Methods Structural Mechs APMA 2550 Numerical Solution PDE I ENGN 2912B Scientific Programming in C++
Year 2	ENGN 2520 Pattern Recognition and Machine Learning CSCI 2470 Deep Learning ENGN 2020 Mathematical Methods in Engineering and Physics II	

Outcomes and Career Success:

Brown University DECES master's program graduates are highly competitive in academic and industry markets. Outcomes that our recent graduates achieved:

- **Acceptance into PhD Program (i.e., MIT, Yale, Brown University)**: 60% of Graduates
- **Acceptance into National Lab or Industry Positions (e.g., Spatial Genomics, Hellenic Army Center, AI and Data Science Fellow)**: 40% of Graduates

Source: LinkedIn and Alumni Survey

E. 5th Year Master's Program

Students enrolled in the 5th year master's program following receipt of their Bachelor of Science (Sc.B.) degree can transfer two relevant 1000- or 2000-level undergraduate courses from their Brown undergraduate program, even if they were used to satisfy Sc.B. degree requirements. The 5th Year Master's program is typically completed in one academic year.

F. Cross-Registration

There are agreements in place between Brown and the Harvard University Faculty of Arts & Sciences as well as Brown and Rhode Island School of Design that allow for cross-registration of graduate students in courses without paying tuition to the host institution. Cross-registration is available for Sc.M. students. A request for cross-registration should be based on interest in specific courses that cannot be found at Brown University but are offered at the graduate level at the other institution. There is an academic performance threshold expected by the host institution and Brown. Each cross-registration request is reviewed with these two criteria in mind. For details on the process, please consult the relevant section of the Graduate School Handbook. DECES master's students in Good academic standing are typically allowed to cross-register for one course over the duration of their program.

G. Transfer Courses

Brown's School of Professional Studies allows at most one course taken elsewhere to be transferred to Brown to be used towards your Master's requirements. This course must have been taken after you received your bachelor's degree and must not have been used towards any other degree. The course should be a four-credit course taken in the semester system (as opposed to a three-credit course or a course taken in the quarter system). If, for example, you've taken two three-credit courses in the semester system, or two or more courses in the quarter system, they might be combinable into something equivalent to a Brown course. It's also important that the course (or combined courses) cover the same material as one of our courses (and thus replace that course). If you think you have a course (or courses) that qualifies please contact the DECES Master's Academic Director. You must receive a B or higher for a course to be considered for transfer credit.

Please note that 5th year Master's students may not use transfer courses to satisfy master's degree requirements. A course taken at Harvard counts as a transfer course, thus the one-course limit applies.

X. ADVISING, THESIS, AND GRADUATION

A. Program Advisors

The Academic Director serves in an advisory role to Data Enabled Computational Engineering and Science master's students. Each student will meet with one of these advisors to review their preparation and goals, discuss the choice of the first-year course program, and recommend a tentative degree plan and course progression. These advisors will continue to advise the student on their progress throughout the period of study as an open line of communication, an individual advisor, and a monitor of each student's progress.

B. Selection of a Research Advisor and Project

Students on the Thesis Track must select a thesis advisor for their Sc.M. program before beginning the second semester. The process begins with the student contacting a faculty member whom they would like to serve in this capacity. Please do not hesitate to reach out to our faculty; they expect to hear from you.

The selection of a research project is an extremely important step in a student's degree program. The student will work on this project for a significant amount of time and will be associated with it for the rest of their career; therefore, the decision will take time and should not be taken lightly. Selection of a research project will result from discussions with your advisor and the student's personal areas of interest. The selection of a research project should take place during the second semester of enrollment.

Any engineering graduate student who plans to work in an engineering laboratory must attend an Environmental Health and Safety (EHS) Training Seminar. The Engineering Safety Officer informs all graduate students by email of the dates and times that these three-hour seminars are held. Non- attendance to this required training may revoke a student's TA or RA appointment or laboratory access. Depending upon the nature of the research that a student becomes involved with, other safety training may be necessary prior to granting student access to a lab (i.e., hazardous waste, laser safety, biosafety, radiation safety, etc.). A basic Laboratory Safety training course as well as more specialized training are required, depending on the nature of your work and type of lab. Laboratory safety courses are available through Brown's Office of Environmental Health & Safety. Please visit the EHS website to view courses available and descriptions of who is required to attend.

C. Finalization of Degree

Brown offers degree conferral in May, October, and February. **The** thesis submission deadline **for a May degree conferral is the end of April, and there are no extensions to this firm deadline**. All students who plan to receive a degree in May must file an Application to Graduate in Banner Self-Service at the beginning of April of their commencement year. See Registrar's website for dates and deadlines. If your graduation plans change after filing the application, you must inform the Registrar immediately.

Your completed graduation application first goes to the Registrar and then is sent to the School of Engineering where it is reviewed for completion of requirements by Student Affairs and the Director of Graduate Studies. There are specific requirements for students who are "thesis" or "non-thesis" status. This status is determined by the student (with advisor confirmation) by the

second semester of the Master of Science degree program. Applications to graduate are reviewed in September for October graduates, in January for February graduates, and in April for May graduates. Note: The only commencement ceremony at Brown is held in May; October and February graduates are invited to participate in the May ceremony.

If your application to graduate is not submitted by the due date, the Graduate School will deny the application and you will be required to register for the next available degree conferral. For additional information, please visit Receiving Your Graduate Degree

D. Attending Commencement

For those planning to attend Commencement, you also must register to participate. When you register, please identify any awards and honors you received while a graduate student at Brown for possible inclusion in the Commencement program. Please complete this task regardless of whether you plan to attend the ceremony. The Graduate School provides graduating students detailed information on how to plan for and participate in Commencement.

XI. MISCELLANEOUS

A. Community: The Graduate Student Council

Graduate Student Council
The Graduate Student Council (GSC) helps to foster a sense of community among graduate students across departments, to facilitate collective action on graduate student issues, and to be a voice for the graduate community. Like the GSC Facebook page to keep current with events. Resources such as alternate sources for conference funding are available to support the academic and social lives of Brown graduate students.

B. Wellness Resources

When Brown students are psychologically healthy, they perform better academically, form and sustain more meaningful relationships, and can make the most out of their time while at Brown. We are committed to supporting the wellness of our students and have created a space for relaxation within the walls of the Engineering Research Center (ERC). Our private single-occupant **Wellness Room** is located on the 2nd floor of the ERC, Room 203. Use of this space must be reserved for up to two 30-minute increments per day. This room is for wellness use only, including restful breaks to support mental health, for nursing mothers, and for private conversations with health care providers. Priority is given to nursing mothers, both in scheduling priority and unlimited usage. Check the online schedule for room availability and to make your reservation. You will receive a Google calendar confirmation once you have scheduled the space for yourself.

Counseling and Psychological Services (CAPS) provides crisis intervention, short-term individual therapy, group therapy, community outreach, and referral services. They offer consultation to students, faculty and staff who are concerned about the well-being of students. Walk-in appointments are free of charge and confidential. CAPS is located at 69 Brown Street in

Page-Robinson Hall, 5th floor, Room 512. To make an appointment, please call (401) 863-3476 or visit CAPS, Room 512 of 69 Brown St.

Friends are often the first to notice that a student might be experiencing high levels of distress. Please access these resources for a friend in distress as needed. We hope you never feel that you are alone or that you need to solve difficult situations by yourself. Many university services stand ready to assist you in an emergency as well as in non-emergencies.

Important contact in the School of Professional Studies
Janaé Victoria, Assistant Dean of Student Affairs, is well-versed in the challenges and issues unique to master's students. Master's students may see her to discuss:

- Medical and personal leave
- Support for individual students
- Support practices and policies

C. Student Life Resources

Academic Support (Office of the Dean of the College, University Hall): Provides academic support services that supplement the support provided by course instructors.

Brown Center for Students of Color (68 Brown Street): The Brown Center for Students of Color is a student-focused center designed to provide students of color with a base for social, academic, administrative, cultural, and organizational support.

Brown Recreation: Information about on-campus fitness facilities, aquatics, and club sports.

Health Education Services (13 Brown Street): Make an appointment with the nutritionist, talk with a Health Educator about alcohol or sexual health, and get information about sexual assault.

Center for Career Exploration (167 Angell Street): The Center works in collaboration with academic departments to connect students with career resources; help students identify their skills, interests and values and to explore a wide range of career options; and to articulate their unique experiences to employers.

Counseling and Psychological Services (CAPS), (69 Brown Street, Page-Robinson Hall, 5th Floor, Room 512): Provides crisis intervention, short-term individual therapy, group therapy, community outreach, and referral services.

Graduate Student Professional Development, (Horace Mann, 47 George Street): Development opportunities include advanced teaching opportunities, Global Mobility grants and research travel funds, interdisciplinary scholarly opportunities at Centers and Institutes, communications workshops and public research talks, and a series on exploring careers in higher education administration.

Health Services, (13 Brown Street): Your resource for emergency medical services, non-urgent medical care, and confidential sexual assault hotline. Bwell Health Promotion provides

educational resources for nutrition, sexual health, sexual assault and dating violence, physical and emotional health, alcohol and drug use, and more.

LGBTQ Center (22 Benevolent Street): Provides a comprehensive range of education, information and advocacy services and works to create and maintain an open, safe, and inclusive environment for lesbian, gay, bisexual, transgender, queer and questioning students, faculty, and staff, their families and friends, and the campus community at large.

Office of the Chaplains and Religious Life (69 Brown Street, Page-Robinson Building, 4th Floor, Room 410): Works to ensure that a diversity of beliefs has voice and vitality throughout the University community. OCRL sponsors many faith-based programs and coordinates a broad set of chaplains and affiliates that advise a breadth of spiritual traditions.

Office of Diversity & Inclusion (Horace Mann 3rd Floor): Provides leadership for the formulation and oversight of policies related to pluralism and equity and initiates programs and practices that promote diversity, inclusion, and fair treatment for all members of the Brown community.

Office of International Student and Scholar Services (OISSS, 69 Brown Street, Page-Robinson Hall, 3rd Floor): Facilitates the integration of international students and scholars into the Brown community. OISSS provides advising services on immigration and visa matters, work permission, orientation, cultural adjustment, and personal concerns.

Division of Campus Life (20 Benevolent Street): Provides a variety of services, support and outreach to undergraduate, graduate, and medical students designed to promote academic achievement and personal development.

Office of Military-Affiliated Students (Vartan Gregorian Quad A, 101 Thayer Street, Room 106): Brown is committed to building a community that actively supports veterans who are beginning, returning to, or advancing their pursuit of higher education. This office supports the experience of all student veterans, including those who served in the military for countries other than the United States.

Ombuds Office, (Hillel Building, 80 Brown Street, 3rd Floor): The Ombuds Office provides an independent, confidential, neutral and informal resource for faculty, staff, postdoctoral fellows and associates, graduate students and medical students who have concerns arising from or affecting their work and studies at Brown.

Sarah Doyle Center for Women and Gender (26 Benevolent Street): Seeks to provide a comfortable, yet challenging place for students, faculty, and staff to examine the multitude of issues around gender. The Center offers programs and services for all members of the Brown community and is a site for research into and exploration of gender issues that extend into and beyond the classroom.

SHARE Advocates (Sexual Harm Acute Response and Empowerment), (Andrews House, 13 Brown Street): Confidential services include support for a survivor or friends of a survivor, help filing a complaint (if that is the student's choice), and help navigating resources at Brown and the community.

Sheridan Center for Teaching and Learning, (Sciences Library, 201 Thayer Street, 7th floor): Provides practical advice about teaching and professional development; promotes best practices and promising new practices in teaching; supports instructors as they launch and develop their professional careers.

Student Accessibility Services (SAS), (20 Benevolent Street): SAS coordinates and facilitates services for students (including graduate students and postdoctoral trainees), faculty, staff and visitors with physical, psychological, and learning disabilities. Click here for FAQs.

Substance Abuse Support (addiction and recovery): The University dedicates resources to support students in recovery from addiction and substance use disorders, and to assist all students negatively affected by their own or others' substance use. The Dean of the College office and the Division of Campus Life provide overlapping services to students with substance use disorders, to develop campus policies regarding alcohol and other drugs, and to educate all members of the campus community about alcohol and drugs and their effects. For more information about available services, please email our Dean for Recovery and Substance-Free Student Initiatives, Lindsay Garcia, in the Office of the Dean of the College.

D. Attending School Seminars and Talks

A key component to being a successful graduate student is intellectual curiosity. As such, the department strongly encourages the attendance of all graduate students at all thesis defenses. Ongoing Engineering seminars are held throughout the year by visiting scholars and other professionals which we also encourage you to attend. You may view Engineering's events calendar to see current and upcoming school-wide activities. There are two travel funds you can apply to:

- The School of Engineering Travel Fund: Funding for Engineering Graduate Students and Postdoctoral Research Associates presenting at research or academic conferences, in person or virtually, is available for both domestic and international conferences. Students and postdocs can apply for up to $500 to cover registration, travel, and other related expenses
- Master's Student Professional Development Fund: Master's students participating in professional development conferences, workshops, or training, whether in person or virtually, can apply to the School of Professional Studies for up to $500 to cover registration, travel, and other related expenses through the Master's Student Professional Development Fund.

E. Writing Resources

In graduate school, it is expected that students become proficient in technical writing, including but not limited to class reports and summaries, term projects, technical papers, thesis or dissertation proposals, and thesis or dissertations. The Writing Center, located in the Sciences Library, 201 Thayer Street, 5th Floor, is an excellent resource accessible to all Master's students. View additional library resources for research on engineering-related topics.

Other Writing Resources:
Thyer, B. A. 1994. *Successful Publishing in Scholarly Journals*. SAGE Publications.

Beer, D. and Mc. Murrey, D. 2013. *A Guide to Writing as an Engineer*, Fourth edition: Wiley.

F. Engineering Contacts

GRADUATE PROGRAM LEADERSHIP	
Director of Graduate Studies (DGS) for Engineering	Robert Hurt (Fall) Eric Chason (Spring)
Co-Directors of Graduate Studies (co-DGS) for Biomedical Engineering (BME)	Michelle Dawson Vikas Srivastava
Biomedical Engineering Master's Program Director	Marissa Gray
Chemical Engineering (ChemE) Master's Academic Director	Franklin Goldsmith
Data-Enabled Computational Engineering and Science (DECES) Master's Academic Directors and Program Director	Yuri Basilevs George Karniadakis Michael Donohue
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Carolyn Harris	Manager, Analytics, Curriculum, and Student Programming	B&H 314	863-6859
Kathleen DiOrio	Manager, Student Affairs	B&H 312	863-1296
Ann Wang	Student Affairs Coordinator	B&H 312	863-6843
Dary Chheng	I-BEAM Program Coordinator	B&H 235	863-6007

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Victoria Riccitelli	MADE Program Coordinator	B&H 312	863-1471

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