Department of Electrical and Computer Engineering

Graduate Student Manual
Ph.D. Program

2025-2026
(Updated: July 9, 2025)

Contents

1. Welcome

Welcome to the Johns Hopkins University Department of Electrical and Computer Engineering. We are pleased to introduce you to this advising manual, a comprehensive resource designed to support you throughout your doctoral studies.

Whether you are just beginning your Ph.D. journey or are well into your research and dissertation work, this manual is intended to guide you through the academic requirements, policies, and procedures specific to our program. Inside, you will find detailed information on course selection, research expectations, program milestones, and other key components of the ECE graduate experience.

Our aim is to equip you with the knowledge and resources needed to navigate your academic path with confidence and purpose. This manual serves as a foundation, but it is not a substitute for direct communication. If you encounter questions or need clarification, we strongly encourage you to consult with the ECE faculty and departmental staff.

Welcome to the Johns Hopkins ECE community. We are committed to supporting your academic success and professional development at every step.

- Academic Program Administrator (Ph.D.) – Ashley Moriarty
- Director of Graduate Studies – Vishal Patel, Associate Professor
- Senior Academic Program Coordinator (M.S.E. and BS) – Malik Johnson
- Department Head – Pablo Iglesias, Professor
- Administrative Manager – Nicole Aaron

2. General Requirements

The Ph.D. program requirements apply to all part-time and full-time students, both residential and nonresidential, within the program. Typically, it is expected that the WSE Ph.D. will be completed within 7 years; however, a university-approved leave of absence does not count toward this limit. For further details regarding Time-to-Degree Limits, please refer to the information available in the university catalogue: https://e-catalogue.jhu.edu/.

The time limits for both the ECE Departmental Qualifying Exam and the Graduate Board Oral Exam are outlined within the context of full-time, residential graduate study, which is the predominant de facto status for all PhD students. Part-time students, by exception only, are rare and must arrange individualized time limits for these exams in consultation with their advisor and the Director of Graduate Studies. In the absence of pre-arranged time limits, the standard time limits will be enforced.

It is important to note that all applicants seeking admission to our graduate program leading to a Ph.D. must hold a bachelor's degree or its equivalent at the start of their degree matriculation at JHU.

2.1   University and Whiting School Degree Requirements

Johns Hopkins University and the Whiting School of Engineering (WSE) have additional degree requirements beyond those of the Department. These include:

- Two semesters of consecutive full-time residential course registration, also called "residency".
- Enrollment in every semester (whether academic courses, research courses, and/or seminars, etc.).
- Completion of responsible conduct of research and academic ethics courses.

2.1.1   Residency Requirement

Once you begin your graduate studies toward a degree, you are required to complete a minimum of two consecutive semesters of registration as a full-time, resident graduate student on campus. To meet the criteria for residency, you must be physically present on campus and engaged full-time in fulfilling the degree requirements. The WSE PhD program is a full-time, residential program designed to foster a collaborative and fully immersive educational experience. To maintain their full-time, resident status, PhD students must be confirmed by the Chair/Head of their PhD department/program or by an appropriate designated faculty (advisor/DGS) to be working on their degree requirements primarily on campus.

To be registered full-time, a PhD student must engage in a full-time program of courses, seminars, research, and/or teaching as approved by the department or program, or the appropriate designated faculty, in alignment with degree requirements. The student must be registered accordingly through SIS in every semester or term. Remote full-time, resident status approval is extremely rare. It is only granted after a program petitions to- and receives approval from -the WSE Office of Graduate Education and Lifelong Learning, and is typically only granted for non-coursework students, or by determination of a special accommodation under ADA through the Student Disabilities Office. 'Residency' refers to the exclusivity and singular focus of a student's time and effort in pursuit of their degree while present in the rigorous and stimulating academic environment of active labs, departments, and research groups on campus- interacting with faculty, staff, postdoctoral fellows, and fellow graduate students in a consistent manner that provides optimal learning and research productivity. The Head of the department/program or the appropriate designated faculty determines, for each of its students, what constitutes a program of full-time or part-time study for each semester/term of a student's enrollment.

If a program determines that a PhD student is unable to meet the full-time residency requirements in a given semester, the PhD student will be informed that they are no longer eligible to be classified as a full-time and resident student, and after consultation with the student and their advisor to ensure everyone's full understanding of the requirements and to explore other status options to see if they would be more appropriate (such as a potential LOA or part-time status), the department will make the decision whether or not to switch the student to nonresident status. For complete information, please refer to the university catalogue: https://e-

catalogue.jhu.edu

2.1.2 Responsible Conduct of Research Course (AS.360.625)

All WSE Ph.D. graduate students are required to take the Responsible Conduct of Research training course (AS.360.625). WSE Ph.D. students are expected to complete the course by the end of their first year of enrollment. Failure to comply with this requirement by the end of the first year of enrollment may result in the inability to conduct research and may lead to probation for lack of progress toward a degree. Lack of compliance and a timeline for completion should be included in the student's annual review. Additional information is available at https://engineering.jhu.edu/research/resources-policies-forms/responsible-conduct-of-research-training-for-students-and-postdoctoral-fellows-revised-spring-2020/.

2.1.3 Academic Ethics Course (EN.500.603.01)

As a graduate student, you will be automatically enrolled in the online course, Graduate Academic Ethics (EN.500.603), which addresses essential academic and ethical responsibilities. You are required to complete this approximately 30-minute tutorial with a passing grade within the first eight weeks of your initial semester. You will see this course appear in your SIS enrollments and list of Canvas courses, usually right after the Add period for that semester (fall/spring). Please refrain from dropping the course upon seeing it. If you do not complete it satisfactorily by the established deadlines (emailed through Canvas - typically by the end of exam period for that semester of enrollment), you will receive an 'F' on your transcript and must retake the course to earn a passing grade (P). Be aware that the 'F' will remain on your transcript regardless of the outcome of the retake, following the WSE graduate course retake policy.

2.1.4 Departmental Course Registration and Credits

1. Before passing the Department Qualifying Examination, to maintain full-time residency and visa status, ECE Ph.D. students are expected to enroll in at least 10 credits per semester, consisting of:
    o Three 3-credit graduate-level courses, and
    o One credit of ECE Departmental Seminar (EN.520.895).
   One of the three courses should be Independent Study (EN.520.800), typically this is with your advisor, but it can be taken with any a faculty member who has ECE Ph.D. advising privileges. You may substitute another graduate course for the Independent Study only with prior approval from your Academic Advisor. Students may register for only one Independent Study course per semester, and a written report must be submitted for each Independent Study course. Note: Students should not register for Dissertation Research (EN.520.802) Dissertation Research until after their DQE.

2. After passing the DQE, to maintain full-time residency and visa status, full-time Ph.D. students must register for 20 credits each semester. This is typically 20 credits of Dissertation Research (EN.520.802) under the supervision of their Research Advisor.

Additional graduate courses may be taken with the Research Advisor's approval. ECE Ph.D. students may also pursue an ECE or other M.S.E. degree concurrently with their Ph.D., provided they have the approval of their Research Advisor.

3. Summer Registration: A Ph.D. student working full-time toward their degree over the summer and on the JHU payroll for any part of the summer, must register for at least 6 credits in your Research Advisor's section of the course Graduate Summer Research (EN.520.803). There is no tuition charge for this course. See Section 2.2.5 for additional details.

Additional Notes:
- Audited courses do not count toward the minimum credit load or GPA calculations.
- A course is considered complete if the student receives a grade of A+ through C+ or a P (Pass).
- Students who receive a grade of D or F in a course, or a grade of C or lower in two courses, will be placed on academic probation.
- The maximum allowable course load per semester is 25 credits. To enroll in more than 25 credits, students must reach out to the Academic Program Administrator for Ph.D. programs for the approval process
- Failure to register for courses by the published JHU deadlines may be treated as a formal withdrawal from the program. See policy: https://e-catalogue.jhu.edu/ksas-wse/graduate-policies/academic-policies/#courseinformationandacademicstext

2.2.5   EN.520.803 Summer Graduate Research

A Ph.D. student working full-time toward their degree over the summer and on the JHU payroll for any part of the summer must register for at least 6 credits in your Research Advisor's section of the course Graduate Summer Research (EN.520.803). There is no tuition charge for this course.

Registration in this course accurately reflects the full-time resident academic efforts as a Ph.D. student over the summer months. As long as the student continues to make progress, their advisor will submit a P (Pass) grade at the end of the summer term, which will be reflected on the student's transcript. Additionally, only full-time enrolled students are eligible to be exempt from FICA withholdings on payroll.

2.2.6   Interdivisional Course Registration

If you wish to register for a course in a division other than the WSE and KSAS residential programs (such as through the WSE Engineering for Professionals programs program or the School of Medicine), you need to complete the Interdivisional Registration (IDR) Form.

Visit https://studentaffairs.jhu.edu/registrar/students/interdivisional-registration/ for information and a link to the IDR form.

Once completed and signed by your advisor, the form can be submitted via SEAM's online form https://support.sis.jhu.edu/case-home. Submitting an IDR request does not guarantee enrollment.

2.2.7 WSE Engineering for Professionals courses

Many interesting and relevant online Electrical and Computer Engineering courses, as well as other engineering courses, are available through our Engineering for Professionals program.

- Though the Ph.D. does not have specific course requirements, up to four Engineering for Professionals courses can be counted toward the master's degree in ECE if you choose to confer with a master's at any point during your PhD. Please refer to the ECE MSE Advising Manual for more specifics and speak with the Academic Program Administrator for basic information about PhD students 'picking up' a master's degree while pursuing their PhD. You will need to confirm with your faculty advisor and the Director of Graduate Studies that the course you select will qualify for the MSE degree.
- Visit https://ep.jhu.edu/courses/ to find available courses.
- The course registration process is different from the standard registration in the Student Information System (SIS). You must complete the Interdivisional Course Registration (IDR) to register for an EP course. (See the section above, 2.2.6)

3. Ph.D. Program Requirements

The Ph.D. degree certifies that the holder has demonstrated the ability to conduct independent research and develop new knowledge.

3.1   Summary of Degree Requirements

To fulfill the requirements for the Electrical and Computer Engineering Ph.D. degree, in addition to satisfying the University and Whiting School Ph.D. requirements, students must complete the following three primary checkpoints and fulfill the ECE department's course load requirements:
1. Pass the Departmental Qualifying Examination and secure a committed and department-approved Research Advisor
2. Submit a Preliminary Research Proposal and pass the Graduate Board Oral Examination.
3. Submit a Dissertation and complete a Public Dissertation Defense.

3.2   Departmental Qualifying Examination and Research Advisor Selection

3.2.1   Departmental Qualifying Examination

You must secure a research advisor and pass the Departmental Qualifying Examination (DQE) before the beginning of your fourth semester of graduate study. The DQE is administered over a seven-day period, typically during the week before the start of classes in the Fall and Spring semesters. Examination formats vary by examiner and may include oral exams, in-person written exams, or take-home written exams. Students are welcome to discuss how best to prepare for their exam with their advisor and examiners.

During the semester preceding the DQE period, the Academic Program Administrator will distribute a sign-up form to coordinate participation. You must select and complete examinations from three examiners who hold a Primary or Secondary professorial Appointment in the Electrical and Computer Engineering Department and are on the Tenure or Research track, with one being your anticipated Research Advisor.

Each examiner independently evaluates their portion of the exam. However, the final determination of whether a student has passed the DQE is made collectively by the ECE Department faculty. This decision is based on the student's cumulative academic performance in the graduate program, input from the anticipated Research Advisor, and performance on the qualifying examinations.

The possible outcomes of the DQE are:
- Pass – No further action required.
- Conditional Pass – Students must complete specific conditions by a set date.
- Failure – Student does not meet the required standard.

Students are allowed a maximum of two attempts to pass the DQE. A Conditional Pass must be resolved to avoid failure. A second failure results in automatic dismissal from the program.

3.2.1   Securing a Research Advisor

Before passing the DQE, you are assigned an Academic Advisor. One of the requirements of passing the DQE is that you secure a department-approved Research Advisor who agrees to supervise and support your doctoral research. The Research Advisor will supervise the remainder of your research program.

Because the Research Advisor must be secured before taking the DQE, you are strongly encouraged to begin identifying and consulting with potential Research Advisors well in advance of the DQE dates. Ideally, the selected advisor is a faculty member with whom the student has already worked during the first year, such as through an Independent Study or research project. While the Research Advisor is often the same person as the Academic Advisor, this is neither required nor guaranteed. Along with being notified of passing the Qualifying Examination, you will receive a Research Advisor Form that must be signed by both the student and the selected Research Advisor.

At any time, students have the right to seek a new advisor, pursue a Leave of Absence (if applicable), or withdraw from the university. There are different funding, timing, and/or visa ramifications associated with each option; it is important that students consult with OIS, academic affairs, and/or the department's Director of Graduate Study, as they work on making the best decision for them. Note that if a student chooses to leave their current advisor, they will be starting the advisor transition clock, per the WSE policy on PhD Good Standing: https://e-catalogue.jhu.edu/ksas-wse/graduate-policies/graduate-specific-policies/

Per the policy, if a student or Advisor ends the advising relationship, the student must secure a new Research Advisor within two months; otherwise, they will be considered not in good standing and placed on academic probation due to a lack of faculty-supervised academic progress. After an additional 2 months, for a total of four months, without an advisor, the student will be dismissed from the PhD program. Please see section 4.4 Advisors. Students who wish to stop working with their current advisor and seek a new advisor should inform the DGS and academic staff.

3.3   Research Proposal and Graduate Board Oral Exam

3.3.1   Pass the Graduate Board Oral (GBO) Examination

The Graduate Board Oral (GBO) Examination comprises of two components: 1) a written research proposal submitted to the Graduate Board Oral Committee and academic staff at least two weeks before the student's exam (see section 3.3.2 for more information) and 2) passing an oral exam (the GBO).The exam should be scheduled before the start of the sixth semester, although it may be held after the sixth semester if necessary and approved by your advisor or the DGS. The purpose of the examination is to assess a candidate's proficiency in the discipline, to give the student the benefit of a critical evaluation by scholars outside the department or program committee, and to provide a mechanism for extra-departmental oversight of academic quality in departments and committees sponsoring candidates.

The GBO is scheduled for two hours. The GBO chair determines the specific format of the exam; however, you should anticipate that it will begin with a short (approximately 10-minute) presentation on your research proposal, followed by questioning from the committee. The GBO is a closed examination, and the scope of the questions is not limited to your research. It may include topics related to coursework or other areas relevant to the field of study. You are permitted to contact their examiners before the exam to inquire about expectations. However, it is essential to note that examiners are not required to provide this information; if they do, it is considered professional courtesy rather than an obligation.

GBO Committee Composition
You and your Research Advisor are responsible for selecting the GBO committee, which must consist of seven faculty members: two examiners from inside the Department (plus one inside alternate), two examiners from outside the Department (plus one outside alternate), and one additional examiner who may be from either inside or outside the Department.

Your Research Advisor is always considered an inside examiner. All faculty with primary appointments in the Department of Electrical and Computer Engineering (ECE) are considered inside examiners. Faculty with primary appointments outside of ECE, even if affiliated with ECE, are considered outside examiners for this exam. At least two of the outside examiners, including the outside alternate, must be tenure-track Associate Professors, Professors, or Emeritus Professors at Johns Hopkins University, as one of them will serve as the GBO committee chair and back-up chair. The Graduate Board assigns the chair from among the outside examiners.

In some cases, the Graduate Board may approve one non-JHU tenure-track faculty member to serve on the committee. The department must submit a petition to the Graduate Board at least four weeks in advance of the scheduled GBO to request this approval. Full details about this process can be found at: https://homewoodgrad.jhu.edu/graduate-board/graduate-board-oral-exams/

Scheduling and Administration
It is the department's responsibility to schedule the student's GBO. Students preparing to take the exam must contact the Academic Program Administrator at least six weeks before the desired exam date. This lead time is necessary to confirm the availability of proposed examiners and to meet the Homewood Graduate Board's notification deadlines. Finding a time when all seven faculty members are available can be challenging. The Academic Program Administrator is responsible for coordinating the exam date and time, securing a room, and submitting the required paperwork to the Graduate Board. Once the Graduate Board assigns the chair, the Administrator will send a confirmation email to all committee members, alternates, and the student.

GBO Outcomes
There are three potential outcomes that the Graduate Board Oral Exam Committee can decide: (1) unconditional pass, (2) conditional pass, and (3) fail.

1. Unconditional Pass means that the student has completed the exam to the satisfaction of the committee.
2. Conditional Pass means that the committee will require the student to remedy some knowledge gap, weakness, or error exhibited in the exam, e.g. by either having the student take a particular course (or several) and receiving a specific grade in each, and/or completing a particular piece of research and producing satisfactory results, and/or writing a thesis chapter or submitting a journal article, etc. Conditions will vary by student and program and will be documented on the GBO Exam form or via an attached document. Established deadlines will be set by which the student must complete the conditions. At that point, the committee will review the progress and submit a letter to the Graduate Board, citing whether the student has either met the conditions and passed the oral exam effectively, or if the student has more conditions to complete or has failed the exam.
3. Fail indicates that the committee has determined there is a serious deficit in the student's preparation and ability, which cannot be remedied by conditions. Students will be allowed to retake the GBO Exam only one additional time. If a student fails their GBO Exam twice, they will be dismissed from the PhD program.

After the exam, the chair submits the signed GBO report form to the Academic Program Administrator. The Administrator obtains any remaining signatures from committee members, and a copy of the completed form is placed in the student's file.

For more information about the GBO process and petitioning for authorization of an examiner from outside the university, please visit: https://homewoodgrad.jhu.edu/graduate-board/graduate-board-oral-exams/

3.3.2 Submit a Written Research Proposal

Ph.D. students must develop a written research proposal before taking the Graduate Board Oral examination (GBO). Before taking the GBO examination, students should work with their Research Advisor and write a research proposal. The written proposal should be submitted to the Graduate Board Oral Committee and the Academic Program Administrator at least two weeks before the scheduled exam date.

The written proposal should be no more than 6 pages with 1-inch margins and 10-point font, excluding references. The proposal should be organized into 3 sections as follows.

1. Description of the significance of the proposed work
    a. Describe the problem that will be addressed
    b. Summarize the current state of the art and the limitations of current approaches
2. Description of the innovation of the proposed work
    a. Describe what is new in the proposed research and how it will address the limitations of current approaches

b. Describe the anticipated impact of the proposed research in terms of what difference it will make if it is successful.
c. Describe any preliminary results that have already been achieved for the proposed work.
3. Description of the anticipated approach to completing the research
   a. Organize the work into the major tasks and describe them
   b. Provide an anticipated timeline for the completion of the tasks
   c. Summarize the anticipated risks to success and provide some alternative strategies

3.4   Dissertation and Public Dissertation Defense

The final and principal requirement for the doctorate is a piece of original research worthy of publication. You must write a dissertation that describes your work in detail and pass a final oral examination, which serves as a defense of the dissertation.

You should schedule your defense and notify the Academic Program Administrator at least one month in advance to make necessary arrangements for the successful completion of their program. Dissertation defense preparation information is available in the "Preparing for Graduation" page on our website: https://engineering.jhu.edu/ece/academics/Ph.D.-program/dissertation-defense-preparation/

3.4.1   Submit a Written Dissertation to the Department

The Dissertation must have two Dissertation Readers, with the first reader being the Research Advisor. The Director of Graduate Studies approves the choice of readers nominated by the Research Advisor. https://homewoodgrad.jhu.edu/graduate-board/degree-candidacy/

> Referees (also known as readers) are responsible for signing the 'readers' letter/report' that confirms that the dissertation is a significant contribution to knowledge and worthy of publication. At least one referee should be internal to the student's academic program; external referees (to the university) must be approved by the Graduate Board through the same process as external examiners participating in the Graduate Board oral examination.

The Graduate Board specifies that two principal readers are responsible for submitting a written report recommending acceptance of the dissertation. The report should testify that the work is a significant contribution to knowledge worthy of publication in its present form or with appropriate modifications and that it is worthy of acceptance in partial fulfillment of the University requirements for the Ph.D. It must contain the student's full name and the complete final title of the dissertation. The letter must be on letterhead, signed by both readers, and include the readers' ranks, titles, departments, and schools.

3.4.2   Complete a Public Dissertation Defense

You must propose a dissertation committee consisting of between three and five members, including your Research Advisor. At least two committee members must have tenure-track appointments, and three have Ph.D. supervising privileges in the ECE Department.

Your Research Advisor submits a signed reader letter to the Academic Program Administrator. You will submit a copy of your Ph.D. dissertation, the names of the Dissertation Committee, and an abstract of the dissertation to the Academic Program Administrator, who informs the faculty by email that the dissertation and readers' letter are available in the department office and schedules the Dissertation Defense. The student also sends the abstract and a headshot to the Academic Program Administrator, who is responsible for producing and posting the announcement of the defense. **Note that a minimum of three weeks will be needed between the submission of these materials by both the student and research advisor and the dissertation defense**.

Once the Dissertation Committee has been approved, the Academic Program Administrator prepares the Doctoral Dissertation Defense Report Form. The Dissertation Committee administers a Public Dissertation Defense no sooner than three weeks after submission of the dissertation and votes on the acceptance of the dissertation. The chair of the Dissertation Committee should complete and sign the Doctoral Dissertation Defense Form and return it to the Academic Program Administrator.

3.4.3   Optional Practical Training & Visa Considerations for International Students

International students must visit the Office of International Services (OIS) at least two to three months in advance of their planned defense date to ensure their visa status is in good standing and to initiate the application process for Optional Practical Training (OPT) and the associated Employment Authorization Document (EAD) card, if desired.

When applying for Optional Practical Training (OPT), students must notify their Research Advisor. As part of the OPT application process, the advisor will receive a request from the OIS through the iHopkins system. Please ensure that your advisor is aware of your expected date of degree completion, if you have completed all coursework, and your progress on your dissertation. Clear communication with your advisor and early coordination with OIS are essential to avoid delays in your OPT processing.

3.5   After the Dissertation Defense

3.5.1   Submission of Dissertation to the Library

The guidelines for preparing dissertations can be found at https://www.library.jhu.edu/library-services/electronic-theses-dissertations/formatting-requirements/. Students are responsible for paying the submission fee.

Dissertations will be submitted only by electronic media. Hardbound books will not be printed on campus, but information will be provided on where dissertations can be printed and bound.

The library will conduct a brief format check. They will then approve the submission or email the student about necessary changes. For information, see http://www.library.jhu.edu/library-services/electronic-theses-dissertations/.

Students who have successfully defended are typically able to meet any edits or content requests by their dissertation committee within 2-3 weeks after the defense. Extensions will need to be discussed with the student's research advisor; note that exceptionally long delays may result in being placed on probation due to lack of timely progress toward the degree.

3.5.2   Academic Deadlines

Students preparing to complete their degree program at the end of each semester should consult with the Academic Program Administrator to ensure that all necessary forms and requirements have been completed and submitted **before** the semester's academic deadlines. Graduation and registration deadlines can be found on the Homewood Registrar's website: https://homewoodgrad.jhu.edu/graduate-board/deadlines/.

Students who have not completed their requirements by the first day of classes **must** register for the current semester. Those who complete their requirements before the deadline of the Grace period will receive a full tuition refund for the current semester, including any non-resident status fees.

3.5.3   Confirmation of Degree Completion

Diplomas are ordered once degrees are officially conferred at the end of each semester. Students will receive an email notification when their diploma is mailed. Upon receiving this notification, you can download the electronic diploma immediately. The hard-copy diploma is typically delivered within 1–2 weeks for U.S. addresses and 3–4 weeks for international destinations. For more information about diplomas, please visit: https://registrar.jhu.edu/academic-records/diplomas/

Confirmation of Degree Completion

There are several options for obtaining confirmation of degree completion, also known as an "anticipated degree completion" letter. This may be necessary if a student has completed all degree requirements, but the conferral has not yet occurred.

- Many employers, universities, and other institutions will accept a letter from the Department of Electrical and Computer Engineering. To request this letter, contact the Academic Program Administrator.

- Some employers, universities, and entities will require confirmation at the Dean, school, or university level. Please contact Christine Kavanagh, Associate Vice Dean for Graduate Education and Lifelong Learning at christinekavanagh@jhu.edu to request this "anticipated degree completion" letter.

Commencement

Johns Hopkins University holds one university-wide commencement ceremony each year in May. The Whiting School of Engineering also holds a Master's Commencement and a PhD Hooding Ceremony in May on the Monday of the week of the University commencement. Additional information about the ceremony and graduation procedures is available at: https://studentaffairs.jhu.edu/registrar/students/graduation/

4. Miscellaneous Academic Information

4.1   Ethics Expectations

Academic Conduct Expectations

Academic misconduct by graduate students is unacceptable. It is the responsibility of all graduate students to adhere to strict standards of integrity in their professional and scholarly activities, as well as to uphold high standards of conduct in their non-academic activities. Students are encouraged to report known or suspected acts of misconduct. It is the responsibility of the faculty and other supervisors of scholarly activities to monitor carefully the academic and other scholarly activities of graduate students under their supervision and to subject these activities to rigorous evaluation.

All WSE Graduate students enrolled in a full-time, Homewood-based program must complete EN.500.603 (Graduate Academic Ethics) with a grade of 'P' in their first semester of graduate status. The course is an online Canvas course, and most students are automatically enrolled in the course through SIS by the Homewood Registrar's Office in their first semester. Students who do not see the course in their SIS enrollments are responsible for notifying their program immediately.

Academic misconduct is any action or attempted action that may result in creating an unfair academic advantage for oneself or an unfair academic advantage or disadvantage for any other member or members of the academic community. This includes a wide variety of behaviors, such as cheating, plagiarism, altering academic documents or transcripts, gaining access to materials before they are intended to be available, and helping another individual gain an unfair academic advantage.

In brief, students must submit work that represents their efforts. When ideas and/or results are drawn from other sources (including AI tools such as ChatGPT, etc.), those sources must be cited in the submitted work. Students may not collaborate or discuss solutions to any assignment (including exams and projects) before submission without the instructor's explicit permission. For more information and examples of academic misconduct, please see this link: https://homewoodgrad.jhu.edu/wp-content/uploads/sites/37/2018/08/Homewood-WSE_KSAS_-WSE-EP_KSAS-AAP-Graduate-Academic-Misconduct-Policy-2018SU.pdf.

Violations of academic ethics can have a severe impact on a student's program beyond the penalties described in the policy above. Those involved in unethical behavior will lose the confidence of the faculty and may be unable to find any faculty member willing to serve as their Research Advisor.

For first offenses, faculty members will typically address students suspected of unethical behavior in their courses and collaborate with the dean's office to determine an appropriate penalty, if possible. Faculty and students may seek the assistance of the Department Chair and/or the dean's office when an agreement on the charges and penalties cannot be reached. The penalty may include failure in the assignment, examination, or course. For egregious offenses, subsequent offenses, or where there is an inability to reach a mutual agreement in the case of a first offense, the matter will be adjudicated by a Whiting School hearing panel,

comprised of faculty and a student. In all cases, a summary of the charges and penalties will be placed in the student's permanent file.

Professional Communication Expectations

Use of JHU email is to be strictly professional at all times. Unprofessional or inappropriate emails may be considered a violation of the university's code of student conduct and/or use of ethical and technology policies (or subject to additional policies as applicable).

Violations of academic ethics can have a severe impact on a student's program beyond the penalties described below. Those involved in unethical behavior will lose the confidence of the faculty and may be unable to find any faculty member willing to serve as their Research Advisor.

Information about the academic policies of the Whiting School of Engineering can be found at http://engineering.jhu.edu/graduate-studies/academic-policies-procedures-graduate/.

Research Conduct Expectations

Research misconduct is defined as fabrication, falsification, or plagiarism in proposing, performing, or reviewing research, or in reporting research results. For a complete definition, refer to The Johns Hopkins University Research Integrity Policy https://www.jhu.edu/assets/uploads/2017/08/university_research_integrity_policy.pdf The Johns Hopkins University Research Integrity Policy applies to all members of the Johns Hopkins community, including students. Allegations regarding a student that may fall within the definition of research misconduct must be referred to the Research Integrity Officer for assessment under that Policy. Allegations that are determined by a Research Integrity Officer and/or an Academic Integrity Officer to fall within the definition of research misconduct on the part of a graduate student will be reviewed and adjudicated under the procedures outlined in the Johns Hopkins University Research Integrity Policy and not this policy.

Disclosure Responsibilities

To disseminate their knowledge and expertise beyond the institution, various JHU community members participate in a range of external activities. While JHU supports and encourages these activities, it is essential to recognize that the interests and time commitments associated with providing services under a private agreement to outside entities may have the potential to conflict with one's primary obligations to Johns Hopkins and impact academic integrity and objectivity.

To address these risks and comply with federal regulations, JHU has adopted policies to ensure that research, teaching, and clinical practice are performed in accordance with federal rules and regulations, thereby maintaining public trust in the integrity of JHU as a research university. In furtherance of this goal, the Office of Outside Interests administers JHU's Conflict of Interest and Conflict of Commitment policy for the SOM and JHM faculty and staff.

Note that PhD students typically DO fall under this policy and should comply as well.

The institution's policy requires disclosure of all outside activities (both paid and unpaid) related to one's institutional responsibilities. Disclosures are used to assess conflicts of interest in both research and other institutional responsibilities. Please visit this site for more information: https://outsideinterests.jhu.edu/discloure-req/

4.2   Academic Probation

Whenever it is determined that a graduate student has failed to meet minimum academic, research, or TA requirements (as required for the degree), that student may be placed on academic probation. This action requires a formal letter and a meeting between the student and either their Faculty Advisor, Department Head, or departmental Director of Graduate Studies. The letter should clearly outline the students' research and academic shortcomings, indicate the corrective measures necessary to remain in the program, and state the length of the student's probationary period.

Please see the full policy for more information on the process, appeals, etc. https://engineering.jhu.edu/education/graduate-studies/graduate-academic-policies-procedures/ (Select the Homewood Schools Policy for Graduate Student Probation, Funding Withdrawal, and Dismissal Tab).

4.3   Graduate Student Annual Review Policy

The Johns Hopkins University and the Whiting School of Engineering require that, once per academic year, all full-time Homewood graduate programs conduct a written review of all doctoral students conducting thesis research. The review provides an opportunity for the student to self-evaluate their research and academic progress and receive written feedback from their advisor.

In the Spring, the Academic Program Administrator will send the form to all Ph.D. students and faculty. If a student has more than one Research Advisor, both Advisors should participate in the evaluation process and must sign the evaluation form. Students should complete the evaluation form and meet with their advisor(s) to discuss progress and goals for the following year. The student and Advisor(s) will both sign the evaluation, which should then be sent to the Academic Program Administrator staff to be added to the student's file.

The current ECE Ph.D. Annual Review form and the JHU Policy on Mentoring Commitments for Ph.D. Students and faculty advisors are located at: https://engineering.jhu.edu/ece/academics/Ph.D.-program/. The WSE Guide to Effective Annual Reviews can be a helpful resource for both faculty and students. https://engineering.jhu.edu/education/graduate-studies/graduate-academic-policies-procedures/

4.4   Advisors

To remain in good standing with both the University and the Department, Ph.D. students must have an approved academic or research advisor. Continuous faculty mentorship is essential for maintaining satisfactory academic and research progress throughout the doctoral program.

In the Department of Electrical and Computer Engineering, you are required to have a tenure-track faculty member with a primary or secondary appointment in ECE as your advisor of record. When evaluating a faculty member's eligibility to serve in this role, the Department will consider factors such as research alignment with the student's program, the faculty member's relationship to the Department, their capacity to mentor graduate students, and the availability of appropriate resources and advising bandwidth. Any exceptions to this requirement must be submitted in writing and approved by the Director of Graduate Studies.

In accordance with University graduate policies (https://e-catalogue.jhu.edu/ksas-wse/graduate-policies/graduate-specific-policies/), a student who does not have an advisor will be granted up to four (4) months to secure a new one. The following conditions will apply during this period:

- If no advisor is secured after two months, the student will be placed on academic probation.
- If no advisor is secured by the end of the four months, the student will be subject to dismissal from the PhD program due to a lack of faculty-supervised academic progress. A probation extension may be requested in writing but is at the discretion of the Department Head.

At any time, students have the right to seek a new advisor, pursue a Leave of Absence (if applicable), or withdraw from the university. There are different funding, timing, and/or visa ramifications associated with each option; it is important that students consult with OIS, academic affairs, and/or the department's Director of Graduate Study, as they work on making the best decision for them. Note that if a student chooses to leave their current advisor/stop making progress towards their degree with their advisor, they will be starting the advisor transition clock, per the WSE policy on PhD Good Standing: https://e-catalogue.jhu.edu/ksas-wse/graduate-policies/graduate-specific-policies/

If you have a concern about your advisor – whether you have concerns about advising quality, if you believe you and your advisor are not a good match, or if there is an unresolvable conflict – please get in touch with the following people:

1. Prof. Vishal Patel, Director of Graduate Studies
2. Ashley Moriarty, Academic Program Administrator
3. Alison Morrow, Director of Residential Graduate Academic Affairs – alison.morrow@jhu.edu

4. Christine Kavanagh, Associate Vice Dean of Graduate Affairs and Lifelong Learning in the Whiting School of Engineering – christinekavanagh@jhu.edu

4.5 Internships

With the permission of your advisor, you are encouraged to pursue full-time internship opportunities during the summer months (after Spring Exams and before the Fall semester starts). International students must apply for and be approved for CPT (https://ois.jhu.edu/students/current-f-1-students/f-1-training-and-employment/curricular-practical-training/) if their internship is in the United States.

During an academic semester, you may participate in a part-time internship, working up to 19.99 hours per week; international students must apply for part-time Curricular Practical Training (CPT) https://ois.jhu.edu/students/current-f-1-students/f-1-training-and-employment/curricular-practical-training/. However, they should first seek approval from your Research Advisor. If you pursue a full-time internship during the Fall or Spring semesters, depending on the internship length, you may need to apply for a change in student status from full-time residential to non-resident status. Final approval of this status change must come from the Office of Graduate Education and Lifelong Learning. International students will need OIS approval for full-time CPT, which will only be approved if the internship directly correlates with/informs their dissertation. More information about Non-Resident status: https://homewoodgrad.jhu.edu/graduate-board/new-grad-board-residency-page/

During non-resident status, there is no guaranteed doctoral funding, and you are responsible for non-resident tuition (10% of the full tuition) and health insurance costs, unless your Research Advisor elects and can support any portion of these costs. You will need to clarify whether the internship will inform your degree, involve sponsored or mutual research, and how it relates to your work in their Ph.D. program, as there are dependent funding models and certified effort considerations. You must notify the Academic Program Administrator at least 3 weeks before your internship start date to adjust payroll and prevent overpayment. You must also inform the Academic Program Administrator of your internship end date as soon as possible to make sure your stipend is resumed on time.

4.6 Payroll and Taxes

WSE PhD students receiving stipend/health benefits from the university who are in a full-time, resident status are fully supported through doctoral guaranteed funding (tuition, stipend, and individual health insurance premium) for five (5) years while they remain in good standing (defined as making good academic progress and abiding by all university policies) as full-time, resident status students. Doctoral guaranteed funding is contingent upon maintaining satisfactory academic progress and includes an average of 5 hours/week of assigned work that contributes to the functioning of your department/lab (including tasks such as ordering supplies, training other lab personnel, updating websites, maintaining equipment, recruitment activities, etc.) in addition to your academic coursework and research, and may include up to 15 additional

hours/week of assigned work that contributes to the educational mission of the department, WSE, and/or university at large. Students receive appointment letters detailing each work assignment.   Students who are full-time and resident but are not receiving any stipend or health benefits from the university because of an established employer financial commitment will not be assigned work or status under the PhD Collective Bargaining Agreement. No Ph.D. student can be self-funded, and typically, the WSE Dean's office will not support salary, stipends, or insurance premiums.

Paychecks are distributed semi-monthly, on the 15th and the last day of the month. If payday falls on a weekend or holiday, paychecks are distributed on the last regular working day preceding the payday. For your convenience, Direct Deposit to your bank account is available. Log in to my.jh.edu, select HR, then log in to ESS, click on Payroll Information, and then select Direct Deposit. Follow the instructions to set up your Direct Deposit.

International students may contact the Office of International Services at ois@jhu.edu or 667-208-7001 for any funding or employment questions related to their visa status. All students can contact the Tax Office at http://finance.jhu.edu/depts/tax/fellgrad_adm.html, 443-997-8688, or tax@jhu.edu with any taxation questions.

5. Policies – General Information

The Whiting School of Engineering and Johns Hopkins University establish and administer various policies that impact students. The following websites provide information on these policies but are not all-inclusive. Your academic staff can help with policy questions and interpretations.

- General Graduate Student Policies - https://homewoodgrad.jhu.edu/academics/policies/
- WSE Graduate Academic Policies and Procedures - https://engineering.jhu.edu/education/graduate-studies/graduate-academic-policies-procedures/
- WSE and KSAS Graduate Credit Hours - https://homewoodgrad.jhu.edu/academics/wse-graduate-credit-hours/
- Non-Resident Status and Leave of Absence - https://homewoodgrad.jhu.edu/graduate-board/new-grad-board-residency-page/
- JHU Academic Catalogue - https://e-catalogue.jhu.edu/
- Graduation Deadlines – https://homewoodgrad.jhu.edu/graduate-board/deadlines/
- Policy on Mentoring Commitments for Ph.D. Students and Faculty Advisors - https://provost.jhu.edu/education/graduate-and-professional-education-resources/Ph.D.- mentoring-policies-and-resources/

5.1   Notice of Nondiscrimination Policy

The Johns Hopkins University admits students of any race, color, gender, religion, national or ethnic origin, age, disability, or veteran status to all the rights, privileges, programs, benefits, and activities generally accorded or made available to students at the University. It does not discriminate on the basis of race, color, gender, religion, sexual orientation, national or ethnic origin, age, disability, or veteran status in any program or activity, including the administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other University-administered programs. Accordingly, the university does not consider personal factors that are irrelevant to the program involved.

Questions regarding access to programs following Title VI, Title IX and Section 504 should be referred to the Office of Institutional Equity for the University, responsible for the coordination of equal opportunity programs, Wyman Park Building, Suite 515, (410) 516-8075, oie@jhu.edu. https://e-catalogue.jhu.edu/university-wide-policies-information/rights-privileges-responsibilities/discrimination-harassment-policy-procedures/

6. JHU Resources

Financial Aid

Financial Aid is available through the Office of Student Financial Services, which provides access to a variety of funding sources, including research assistantships and fellowships. Enrolled or accepted graduate students who are U.S. citizens, permanent residents, or eligible non-citizens are eligible to apply for federal and state financial aid. Details on eligibility, application procedures, and available assistance can be found at: http://www.jhu.edu/finaid/grads.html.

Graduate Student Organizations

Graduate Student Organizations play an active role in student life at Johns Hopkins. Many are specifically geared toward graduate students, and a list of these groups can be found at: https://engineering.jhu.edu/studentaffairs/student-experience/student-groups-and-organizations/. The Graduate Representative Organization (GRO) serves as a central hub for graduate student advocacy and programming. More information about the GRO and a list of affiliated student groups can be found at: http://studentaffairs.jhu.edu/gro/ and http://studentaffairs.jhu.edu/gro/clubs-groups/list-of-groups/.

Information Technology and Computer Facilities

The Information Technology Department at Johns Hopkins supports Information Technology and Computer Facilities. Their website, http://it.jhu.edu, serves as a comprehensive resource for IT-related services and support, including application assistance, project updates, and news about technology initiatives that support research, teaching, and institutional operations. Additional computing resources are available at the Krieger Computing Lab, located in Krieger Hall, which houses approximately 130 workstations equipped with standard office and imaging software. No special account is needed—just a valid student ID. For more information, please visit: https://studentaffairs.jhu.edu/computing/campus-resources/.

Office of International Services

The Office of International Services (OIS) serves as the primary resource for visa-related matters, including Curricular Practical Training (CPT) and Optional Practical Training (OPT). Students may contact the office via email at ois@jhu.edu or visit their website at https://ois.jhu.edu/.

Library

Library services at Johns Hopkins are robust and widely accessible. The Sheridan Libraries on the Homewood campus offer a range of amenities, including group and individual study spaces, as well as a café. Online and on-campus library resources can be explored at: https://www.library.jhu.edu/support/. For subject-specific assistance, students may contact Sue Vazakas, the Librarian and Academic Liaison for ECE, at svazakas@jhu.edu. The library regularly acquires books and journals based on departmental input. You are encouraged to

submit acquisition requests directly to Sue Vazakas.

Professional Development

The Doctoral Life Studio supports Johns Hopkins doctoral and postdoctoral scholars in navigating their careers. Their focus is on providing resources, connections, and community to help you explore opportunities, develop essential skills, and achieve your professional goals. Through workshops, consultations, and curated programs, they equip you with the tools to make informed decisions, expand your network, and take meaningful steps toward your future. https://imagine.jhu.edu/channels/doctoral-life-design-studio/

Public Safety

The JHU Campus Security Office provides robust protection across campus, but emphasizes that personal vigilance is equally essential. Students are expected to exercise common sense when entering or leaving offices, classrooms, and labs.

- Secure your computers, especially laptops!
- Back up your work onto separate disks or systems in case something happens to the computer, such as a virus, equipment problems, or theft. The University provides free anti-virus software that can be downloaded from the website at https://it.johnshopkins.edu/services/network/resnet/antivirus
- Secure your laptop cases or any bag that might be mistaken for a computer bag.
- Lock your car and don't leave any items inside your vehicle in plain sight. Secure them in your trunk or bring them with you.
- Secure your personal items such as your purse, wallet, books, equipment, and your coat or jacket.
- If you see someone suspicious in your lab or office, don't confront the individual; contact Security at 410-516-7777 right away. Your safety is most important.
- If you are uncomfortable walking through campus or to your car at night or are otherwise concerned for your safety, the Security department provides escort services to selected locations. Call 410-516-8700 to arrange for an escort.

SEAM

Students can get support with student accounts, registration, and financial aid—all in one place.

Regardless of your preferred method of contact, SEAM student support specialists will be able to provide you with answers tailored to your specific circumstances and needs. https://seam.jhu.edu/

Student Disability Services

The Office of Student Disability Services (SDS) supports residential undergraduate and graduate students in the Krieger School of Arts and Sciences and the Whiting School of Engineering. SDS

ensures compliance with the Americans with Disabilities Act (ADA) and Section 504 of the Rehabilitation Act, facilitating equal access through accommodations and eliminating barriers to academic participation. The office also provides education and support to the broader university community. All records are kept confidential in accordance with legal requirements. More information is available at https://studentaffairs.jhu.edu/disabilities/. You can reach the office at 410-516-4720 or via email at studentdisabilityservices@jhu.edu. Alternatively, you can visit them in Shaffer Hall, Suite 101.

Student Employment (Office of University Experiential Learning)

The Office of University Experiential Learning offers support to students seeking part-time employment on campus and helps with verifying work eligibility. Students interested in taking on additional work should consult their advisor to ensure that employment will not interfere with their academic responsibilities. More information and resources can be found on the SMILE website located at https://studentjob.jh.edu/sessmile.cfm.

Student Health and Wellness Center

Students experiencing illness or with questions about their health may access care through the Student Health and Wellness Center. Appointments and additional information are available at https://studentaffairs.jhu.edu/student-health/. For concerns related to anxiety, stress, depression, or general mental health, students are encouraged to contact the JHU Mental Health Services, located at 3003 North Charles Street, Suite S-200. The center can be reached at 410-516-8278 or online at https://wellbeing.jhu.edu/contact-us/. If you are concerned for your own or a colleague's safety, here is emergency information: https://wellbeing.jhu.edu/emergency-contact-information/

Johns Hopkins also offers a broad range of well-being resources supporting emotional, physical, social, sexual, spiritual, financial, environmental, and professional health. Visit https://wellbeing.jhu.edu/ to explore these offerings.

WSE Center for Leadership Education

The WSE Center for Leadership Education offers a variety of courses in engineering management, English as a second language, and professional communication. While these courses do not count toward the Ph.D. degree requirements, they can be highly beneficial. Please note that these courses will be reflected on your transcript, and the grades you receive will be recorded. More information is available at: https://engineering.jhu.edu/cle/academics/undergraduate-studies/professional-communication-program/

WSE Office of Student Support and Advocacy

The Office of Engineering Student Support & Advocacy (ESSA) helps students navigate non-academic issues including mental or physical health, interpersonal issues, conflict with

advisors, financial concerns, time management, leaves of absence, being victimized, and family emergencies.

Engineering Student Support & Advocacy (ESSA) is a group of Case Managers who provide outreach and support for students with significant and complex concerns that affect their academic and personal success.

ESSA works with students navigating non-academic issues to highlight their strengths/self-advocacy skills, increase their access to resources, and to help them navigate challenges that might impede their goals of success.

Case Managers work with students who may need to take a Leave of Absence for physical health, psychological reasons, or other personal emergencies. Find out more here: https://engineering.jhu.edu/studentaffairs/navigatingnonacademicissues

WSE Student Affairs

WSE Student Affairs supports graduate students, postdoctoral fellows, and other learners. The office facilitates career development, community life, student group engagement and advocacy, and more. Students are encouraged to reach out to Student Affairs for ongoing support throughout their time at Hopkins. Learn more at https://engineering.jhu.edu/studentaffairs/.

Writing Center

The Johns Hopkins Writing Center provides individualized support through one-on-one sessions with experienced tutors, including specialists in scientific and technical writing. Ph.D. students in engineering and related disciplines can benefit from this service to refine their communication skills. Additional information is available at https://krieger.jhu.edu/writingcenter.

6.1   Additional Services and Resources

The University offers a variety of services. These are among some others not listed above and is not an exhaustive list.
- Office of the Registrar - https://studentaffairs.jhu.edu/registrar
- Parking and Transportation Services - https://jhfre.jhu.edu/ts/parking/
- Student Financial Services - https://sfs.jhu.edu/
- Student Accounts - http://www.jhu.edu/studacct
- Office of Institutional Equity - http://oie.jhu.edu
- Community Living (Housing) - https://studentaffairs.jhu.edu/community-living/
- Center for Social Concern – https://studentaffairs.jhu.edu/socialconcern/ (service opportunities and advocate for social change)

- Campus Ministries – https://studentaffairs.jhu.edu/campus-ministries (for all faiths and those seeking spiritual growth)
- The Hub – http://hub.jhu.edu/ (the University's official news publication)
- Johns Hopkins Magazine- https://hub.jhu.edu/magazine/
- Digital Media Center - https://studentaffairs.jhu.edu/dmc/

6.2   JHU and Baltimore Extracurricular Activities

Many groups and organizations throughout the University provide ample opportunities for social times and fun. Check out these websites for information:

- Engineering Student Life
  - o https://engineering.jhu.edu/studentaffairs/student-experience/living-in-baltimore/
  - o https://engineering.jhu.edu/studentaffairs/student-experience/
- Campus Life - https://www.jhu.edu/life
- Arts and Culture - https://www.jhu.edu/life/arts-culture
- Recreation Center – https://studentaffairs.jhu.edu/recreation/ (grad students have free membership)
- Hopkins Athletics - https://hopkinssports.com/
- Baltimore Collegetown - https://baltimorecollegetown.org/
- Baltimore Area Convention and Visitors Association - http://baltimore.org
- Baltimore Office of Promotion and the Arts - http://promotionandarts.org

Appendix - Electrical and Computer Engineering Personnel

A.1   Tenured and Tenure-Track Faculty

Andreas Andreou, Professor
Muyinatu Bell, John C. Malone Associate Professor
Rama Chellappa, Bloomberg Distinguished Professor
Kamal Choudhary, Assistant Professor
Najim Dehak, Associate Professor
Yury Dvorkin, Associate Professor
Mounya Elhilali, Charles Renn Faculty Scholar and Professor
Ralph R. Etienne-Cummings, Julian S. Smith Professor
Mahyar Fazlyab, Assistant Professor
Amy C. Foster, Associate Professor
Mark A. Foster, Professor
Sijia Geng, Assistant Professor
John Goutsias, Professor
Pablo A. Iglesias, Department Head, and Edward J. Schaefer Professor
Jin U. Kang, Jacob Suter Jammer Professor
Sanjeev Khudanpur, Associate Professor
Jacob Khurgin, Professor
Peirong Liu, Assistant Professor
Chinmay Maheshwari, Assistant Professor
Enrique Mallada, Associate Professor
Tinoosh Mohsenin, Associate Professor
Vishal Patel, Associate Professor
Jerry Prince, William B. Kouwenhoven Professor
T. E. Schlesinger, Benjamin T. Rome Dean and Professor
Laixi Shi, Assistant Professor
Berrak Sisman, Assistant Professor
Yu Sun, Assistant Professor
Susanna Thon, Associate Professor
Trac D. Tran, Professor
Ziyun (Claude) Wang, Assistant Professor
Howard L. Weinert, Professor
James West, Professor

Note that all tenure-track faculty members are eligible to supervise doctoral dissertations in the ECE doctoral program.

A.2   Research Faculty and Joint/Secondary Appointments

Noah I. Cowan, Associate Professor, Mechanical Engineering
Atul Deshpande, Assistant Professor, JHU SOM Oncology
Nicholas Durr, Assistant Professor, Biomedical Engineering

Dennice F. Gayme, Associate Professor, Mechanical Engineering
Gregory D. Hager, Mandell Bellmore Professor, Computer Science
Xingde Li, Associate Professor, Biomedical Engineering
Nicolas Loizou, Assistant Professor, Applied Mathematics and Statistics
Ernst Niebur, Professor, Neuroscience
Laureano Moro-Velazquez, Assistant Research Professor
Arvind Pathak, Associate Professor, JHU SOM Radiology
Philippe Pouliquen, Assistant Research Professor and Lecturer
George Sgouros, Professor, Radiology and Radiological Sciences
Webster Stayman, Assistant Professor, Biomedical Engineering
Jesús Villalba, Assistant Research Professor
Joshua Vogelstein, Associate Professor, Biomedical Engineering

A.3　　Teaching Faculty
Lucas Buccafusca, Lecturer
Daniel Mendat, Lecturer
Sathappan Ramesh, Lecturer

A.4　　Department Staff
Nicole Aaron, Administrator
Shawdoe McKinney, Budget Analyst
Malik Johnson, Senior Academic Program Administrator (BS & MSE)
Tom Judy, Grants & Contracts Manager
Cora Mayenschein, Senior Grants & Contracts Analyst
Jennifer Miller, Administrative Coordinator
Ashley Moriarty, Academic Program Administrator (Ph.D.)
Lindsay Tarner, Senior Grants & Contracts Analyst
Iris Unberath, Administrative Coordinator
Laura Granite, Administrative Coordinator