

# MASTER of SCIENCE in ELECTRICAL & COMPUTER ENGINEERING (MSECE)

## GRADUATE HANDBOOK

2024 - 2025 Academic Year

Updated 10/10/2024

All Master of Science in Electrical and Computer Engineering (MSECE) students are responsible for understanding the information and policies contained in this handbook. This includes information linked to websites and documents. Information found on the websites for the School of Engineering and Technology (SET), the UW Graduate School, and UW Tacoma supersedes information found in this handbook. This handbook is subject to change. Please refer to the program website for the most recent version: <https://tacoma.uw.edu/set/graduate-resources>

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**Graduate Program Chair/Coordinator (GPC):** Dr. Vahid Dargahi, PhD

**Graduate Program Advisor (GPA):** Victoria Olive, MA

**Schedule GPA Advising Appointment:** <https://tacoma.uw.edu/set/advising>

**Faculty Directory:** <https://tacoma.uw.edu/set/facultyresearch>

All graduate students are subscribed to the **UW SET Grad** email listserv ([allsetgrad@lists.uw.edu](mailto:allsetgrad@lists.uw.edu)) and the **MSECE Student** email listserv ([uwtechmsece@uw.edu](mailto:uwtechmsece@uw.edu)) their first quarter of enrollment. This is very important, as we will post course information, deadlines, and other notices on a regular basis. Students are encouraged to add the listserv emails to their contacts to prevent these messages from going to spam/junk.

In addition, please sign up with **UW Alert** to receive updates via text or email regarding emergency closures of campus: <https://washington.edu/safety/alert>

The **Graduate Program Chair/Coordinator (GPC)** oversees matters relating to the graduate curriculum and the courses, including the review process of proposals for capstone projects,

theses, and course substitutions. The GPC also provides advising of a substantive, academic nature and functions as the faculty liaison to the UW Graduate School.

The **Graduate Program Advisor (GPA)** is responsible for helping students with the technical pieces of graduate student life, such as deadlines, forms, and formal procedures. The GPA also functions as the staff liaison to the UW Graduate School.

MSECE students will choose either a thesis or capstone project degree-completion option. Students will work closely with their Master's Supervisory Committee to give direction and shape to the work leading up to the final product.

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### **1. Overview of SET and MSECE Program**

The MSECE program is a graduate-level degree that combines advanced coursework and research in the fields of electrical and computer engineering. This program is designed for students who want to deepen their understanding of the principles and applications of electrical and computer engineering, and who want to gain the skills and knowledge needed to become leaders in their fields.

MSECE emphasizes industry-sought, cutting-edge knowledge and critical skills in electrical and computer engineering. The curriculum includes courses in advanced computer architecture, advanced digital systems, advanced embedded systems and signal processing, microelectronics, wireless communication, and power systems.

In this program, students will study a wide range of topics and will have the opportunity to conduct independent thesis or capstone projects, working closely with MSECE graduate faculty members and industry partners to develop new technologies and solutions to real-world problems.

Upon completion, graduates will be well-equipped to pursue a variety of careers in fields such as telecommunications, robotics, computer system design, and more. They will have the knowledge and skills needed to design and implement innovative technologies, and to lead teams of engineers and scientists in the development of new products and systems.

Overall, MSECE is an excellent choice for students who want to take their engineering careers to the next level and make significant contributions to their field.

## **MISSION**

SET aims to provide the highest quality computing, engineering, science, and technology education for a diverse population and engage in research and innovation that benefits the community by fostering social mobility and economic development.

## **VISION**

SET is a unique public-private partnership in higher education that serves as a catalyst for generating energy and interest in computing science and engineering disciplines by:

- Addressing the need to ensure the availability of well-educated bachelor's and graduate-level computing science and engineering professionals in numbers sufficient to support and fuel the growth of Washington State's high-tech industries.
- Providing every Washington State citizen access and opportunity to prepare for, and advance in, outstanding and rewarding technology careers.

## **VALUES**

- Research and Teaching
- Community
- Impact
- Excellence

- Innovation
- Identity

## GOALS

- **Teaching/Research:** To develop and enhance teaching and research.
- **Student Enrollment/Retention:** To expand and diversify student enrollment and strengthen retention.
- **Identity:** To establish a clear and recognizable local, state, national, and international identity.
- **Program Improvement:** To continuously assess, improve, and evolve our program offerings.
- **Community Outreach:** To extend our reach and increase collaborative support within the community.

For a complete overview of SET's Mission, Vision, Values, and Goals, please visit:

<https://tacoma.uw.edu/set/about/mission-goals>

## 2. Important Dates

Please be aware of all important dates, including registration dates at:

<https://tacoma.uw.edu/registrar/academic-calendar>

UW Graduate School deadlines at: <https://grad.uw.edu/calendars/student-dates-deadlines/>

## 3. MSECE Curriculum and Sample Course Schedules

In line with UW Graduate School requirements ([Policy 1.1](#)), the degree requirements for the MSECE program are the following:

- A minimum of 45 credits are required for the MSIT degree.
- A minimum grade of 2.7 is required in each course counted towards the degree.
- A minimum cumulative GPA of 3.00 is required for graduation.
- Students must be registered for at least 2 credits in the quarter the degree is earned.
- Students must complete all degree requirements within 6 years.
- Please see the "*Grading System*" section for detailed information about grading options.

MSECE students can choose between a **thesis** or **capstone project** degree-completion option.

**Thesis:** Intended for students considering entering into a PhD program post-graduation. Involves long-term, in-depth, advanced academic research, extensive academic writing, and original

research contributions to their disciplinary field and/or scholarly communities. Requires a Master’s Supervisory Committee of one Graduate Faculty Advisor and at least one Graduate Faculty Committee Member. Produces master’s thesis.

**Capstone Project:** Designed for students who want to focus on practical solutions to real-world problems - often related to the student’s employer, company, and/or industry - through the hands-on application of what they have learned. Emphasizes advanced experience, critical analysis, and the mastery of industry-relevant skill sets. Requires a Master’s Supervisory Committee of one Graduate Faculty Advisor and at least one Graduate Faculty Committee Member. Research is less exhaustive than the thesis and can produce a combination of deliverables.

**Thesis Option Degree Requirements**

A minimum of 45 credits is required.

- Required Core Courses (15 credits). Students select 3 courses (15 credits) from the courses listed under *Core Courses*.
- Required Depth/Elective Courses (20 credits). Students select 4 courses (20 credits) from the courses listed under *Commonly Offered Depth/Elective Courses*.
- Optional Courses (5 credits maximum). Non-TECE coded courses, 4XX or above.
- Required Thesis Credits (10 credits). TECE 700. Students cannot begin taking thesis credits until the Required Core Courses are completed. Students can expect to take these credits over their last 2 - 3 quarters in the program.

**Thesis Option Sample Schedule**

<u>AUTUMN '24</u>	<u>WINTER '25</u>	<u>SPRING '25</u>	<u>AUTUMN '25</u>	<u>WINTER '26</u>
TECE Core (5 credits) TECE Core (5 credits)	TECE Core (5 credits) TECE Elective (5 credits)	TECE Elective (5 credits) TECE Elective (5 credits)	TECE Elective (5 credits) TECE 700 (5 credits)	TECE 700 (5 credits)

**Capstone Project Option Degree Requirements**

A minimum of 45 credits is required.

- Required Core Courses (15 credits). Students select 3 courses (15 credits) from the courses listed under *Core Courses*.
- Required Depth/Elective Courses (25 credits). Students select 5 courses (25 credits) from the courses listed under *Commonly Offered Depth/Elective Courses*.
- Optional Courses (5 credits maximum). Non-TECE coded courses, 4XX or above.

- Required Capstone Credits (5 credits). TECE 599. Students cannot begin taking capstone credits until the Required Core Courses are completed. Students can expect to take these credits over their last 1 - 2 quarters in the program.

### Capstone Project Sample Schedule

<b>AUTUMN '24</b>	<b>WINTER '25</b>	<b>SPRING '25</b>	<b>AUTUMN '25</b>	<b>WINTER '26</b>
TECE Core (5 credits) TECE Core (5 credits)	TECE Core (5 credits) TECE Elective (5 credits)	TECE Elective (5 credits) TECE Elective (5 credits)	TECE Elective (5 credits) TECE Elective (5 credits)	TECE 599 (5 credits)

For detailed Course Descriptions, please visit the UW Tacoma Course Catalog:  
<https://washington.edu/students/crscatt>

**Core Courses:** All students take at least 3 (15 credits) of these courses regardless of degree-completion option.

- TECE 510: Advanced Computer Architecture
- TECE 512: Advanced Embedded Systems
- TECE 521: Advanced VLSI Communication
- TECE 531: Advanced Power System Operation
- TECE 539: Advanced Power Electronics
- TECE 551: Control Systems Design
- TECE 555: Machine Learning for ECE
- TECE 563: Modern Signal Processing
- TECE 565: Advanced Random Signal Processing

**Commonly Offered Depth/Elective Courses:** Thesis students take at least 4 (20 credits) of these courses. Capstone project students take at least 5 (25 credits) of these courses.

- TECE 510: Advanced Computer Architecture
- TECE 512: Advanced Embedded Systems
- TECE 514: Distributed Systems for ECE
- TECE 516: Graphics Processing Unit Architecture
- \*Prerequisite: Minimum grade of 2.70 in TECE 510*

TECE 521: Advanced VLSI Communication

TECE 523: Wireless IC Design  
TECE 531: Advanced Power System Operation  
TECE 533: Renewable Energy Systems  
TECE 537: Generalized Theory of Electrical Machines and Drives  
TECE 539: Advanced Power Electronics  
TECE 551: Control Systems Design  
TECE 553: Digital Control Systems  
TECE 556: Nonlinear Systems  
TECE 557: Optimal and Robust Control  
TECE 563: Modern Signal Processing  
TECE 565: Advanced Random Signal Processing  
TECE 567: Digital Communications  
TECE 569: Wireless Communications  
TECE 572: Microwave Electronics  
TECE 573: Advanced Electromagnetics  
TECE 590: Special Topics in ECE

TECE 600: Independent Study or Research (1 - 5 credits)

*Variable credits. Can count up to 5 credits maximum towards Depth/Elective Course credit requirements. Requires a Graduate Faculty Advisor and submitted [Independent Registration Form](#) prior to registration.*

TECE 601: Internship (1 - 5 credits).

*Variable credits. Credits do not count towards degree requirements. Requires a Graduate Faculty Advisor, Internship Sponsor, and submitted [Internship Registration Form](#) prior to registration.*

### ***Required Thesis Credits***

TECE 700: Master's Thesis (1 - 10, maximum 10).

*Variable credits. Requires a Master's Supervisory Committee and a submitted [Thesis Registration Form](#) prior to registration.*

### ***Required Capstone Credits***

TECE 599: Capstone (1 - 10, maximum 10).

*Variable credits. Requires a Master's Supervisory Committee and a submitted [Capstone Registration Form](#) prior to registration.*

#### **4. Suggested MSECE Areas of Study**

The suggested areas of study below are optional and will not appear on the student's official transcript as a specialization. However, they provide a helpful framework for students to organize their core and elective courses around specific research interests and topics, allowing for a more focused approach to their studies. By selecting courses aligned with these areas, students can deepen their expertise in relevant fields without a formal notation while still preparing for targeted career or research pathways.

##### **Computer Engineering**

Core Course Suggestions: TECE 510, TECE 512, TECE 514, TECE 521

Elective Course Suggestions: TECE 516, TECE 523, TECE 553, TECE 563

##### **Control Systems & Robotics**

Core Course Suggestions: TECE 551, TECE 553, TECE 555, TECE 557

Elective Course Suggestions: TECE 563, TECE 565

##### **Power & Energy Systems**

Core Course Suggestions: TECE 531, TECE 533, TECE 537, TECE 539

Elective Course Suggestions: TECE 535, TECE 551

##### **Signal Processing & Communications**

Core Course Suggestions: TECE 521, TECE 563, TECE 565

Elective Course Suggestions: TECE 523, TECE 567, TECE 569, TECE 572, TECE 573

#### **5. MSECE Thesis Requirements**

An MSECE degree with the “thesis option” is research-oriented and the student is expected to make original contributions to the field of study. The final thesis often includes:

- A problem statement (the objective or hypothesis of the thesis).
- A review of the relevant literature.
- Presentation of the new knowledge created by the student in meeting this objective or testing this hypothesis.

MSECE thesis work must be of significant quality and novelty. Hence, an MSECE thesis student must work closely with both their Graduate Faculty Advisor and Master's Supervisory Committee as they progress through their research. Meaningful guidance from the student's Graduate Faculty Advisor and Master's Supervisory Committee is expected.



MSECE thesis students must complete their *Required Core Courses* and take a minimum of 20 credits of graduate-level coursework prior to registering for TECE 700: Master's Thesis credits.

Please review the UW Graduate School's Thesis and Dissertation Requirements: <https://grad.uw.edu/current-students/enrollment-through-graduation/thesis-dissertation/>

MSECE thesis students must have a Master's Supervisory Committee.

- The appointment of a supervisory committee for MSECE thesis students is determined by the Graduate Faculty in the degree-offering program.
- The GPC, in consultation with the student and appropriate faculty members, appoints a committee of two members minimum to four members maximum.
- The Graduate Faculty Advisor must be an MSECE graduate faculty member.
- At least one-half of the total committee membership must be members of SET graduate faculty.

[UW Graduate School Policy 4.2.1](#) provides explicit instructions for the Master's Supervisory Committee composition.

- **Graduate Faculty Advisor:** MSECE graduate faculty member (required).
- **Committee Member:** SET graduate faculty member (required).
- **Committee Member:** Any faculty member (optional).
- **Committee Member:** Any faculty member (optional).

MSECE thesis students will need to secure the signatures of the GPC, the Graduate Faculty Advisor, and at least one Committee Member on the Thesis Registration Form prior to be registered for thesis credits each quarter.

In collaboration with their Graduate Faculty Advisor, MSECE thesis students must prepare a preliminary research proposal with a concrete plan towards finishing their final thesis for approval from the Master's Supervisory Committee prior to registering for TECE 700: Master's Thesis credits.

A preliminary research proposal generally includes the following. However, MSECE thesis students should consult with their Graduate Faculty Advisor through this process.

- Proposed title of the research.
- Objective of the student's work or the hypothesis they wish to investigate.
- Explanation of why this topic is significant and statement of the research problem.
- Preliminary review of the relevant literature.
- Explanation of how the student proposes to approach this problem.
- Preliminary supporting results.
- Expected results and implications for future research.

- Proposed timeline of each of the designated deliverables.
- List of academic references.

MSECE thesis students are required to submit a Master's Degree Request the quarter in which they intend to graduate. Students should consult the Office of the Registrar's Graduation Procedures website for quarter-specific deadlines: <https://www.tacoma.uw.edu/registrar/graduation-procedures>

MSECE thesis students are required to submit their electronic thesis to the UW Graduate School in order to graduate. Students are required to adhere to the UW Graduate School Thesis and Dissertation Style manual: <https://grad.washington.edu/students/etd>

MSECE thesis students will also need to submit their documentation to the UW Graduate School for preliminary review prior to final submission. Details and dates can be found here: <https://grad.uw.edu/for-students-and-post-docs/thesisdissertation/>

All MSECE thesis students are encouraged to submit their work to at least one academic conference prior to graduation. This is optional. Acceptable conferences are at the discretion of the student's Master's Supervisory Committee.

All MSECE thesis students are also encouraged to present at UW Tacoma's annual SET Research Showcase and/or quarterly colloquia. This is optional.

All MSECE thesis students are encouraged to submit their work to at least one peer-reviewed journal prior to graduation. This is optional. Acceptable journals are at the discretion of the student's Master's Supervisory Committee.

One such publishing option is UW Tacoma's ACCESS\* Journal: <https://digitalcommons.tacoma.uw.edu/access/>

## **6. MSECE Capstone Project Requirements**

MSECE capstone students will complete a culminating project where they apply the knowledge acquired during their degree program. Capstone projects may involve planning, design, simulation, implementation, and/or testing of an original research idea or a novel technology solution.

The capstone project is supervised by the Graduate Faculty Advisor and the Master's Supervisory Committee. An MSECE capstone student must work closely with both their Graduate Faculty Advisor and Master's Supervisory Committee as they progress through

their project. Meaningful guidance from the student's Graduate Faculty Advisor and Master's Supervisory Committee is expected.

MSECE capstone students must complete their *Required Core Courses* and take a minimum of 20 credits of graduate-level coursework prior to registering for TECE 599: Capstone.

MSECE capstone students must have a Master's Supervisory Committee.

- The appointment of a supervisory committee for MSECE capstone students is determined by the Graduate Faculty in the degree-offering program.
- The GPC, in consultation with the student and appropriate faculty members, appoints a committee of two members minimum to four members maximum.
- The Graduate Faculty Advisor must be an MSECE graduate faculty member.
- At least one-half of the total committee membership must be members of SET graduate faculty.

[UW Graduate School Policy 4.2.1](#) provides explicit instructions for the Master's Supervisory Committee composition.

- **Graduate Faculty Advisor:** MSECE graduate faculty member (required).
- **Committee Member:** SET graduate faculty member (required).
- **Committee Member:** Any faculty member (optional).
- **Committee Member:** Any faculty member (optional).

MSECE capstone students will need to secure the signatures of the GPC, the Graduate Faculty Advisor, and at least one Committee Member on the Capstone Registration Form prior to being registered for capstone credits each quarter.

Before enrolling in Capstone credits, the student must write a capstone project proposal and submit it to the Master's Supervisory Committee for approval. The Master's Supervisory Committee may give feedback on the project plan, scope, and/or deliverables.

The preliminary capstone project proposal generally contains the following. However, MSECE capstone students should consult with their Graduate Faculty Advisor through this process.

- Proposed title of the project.
- Specific research objective or novel technology objective of the project.
- Explanation of why this objective is significant.
- Preliminary review of the relevant literature.
- Preliminary supporting results or design steps.
- Expected results and implications for future research.

- Proposed timeline for each of the project deliverables.
- List of references.

MSECE capstone students are required to submit a Master's Degree Request the quarter in which they intend to graduate. Students should consult the Office of the Registrar's Graduation Procedures website for quarter-specific deadlines: <https://tacoma.uw.edu/registrar/graduation-procedures>

MSECE capstone students must submit a draft of the final report and/or other project deliverables to their Master's Supervisory Committee at least 14 days prior to the final presentation. **This is required.**

MSECE capstone students will work with their Master's Supervisory Committee to select the date, time, and venue for their final MSECE Capstone Presentation. **This is required.**

Students are also encouraged to present at UW Tacoma's annual SET Research Showcase and/or quarterly colloquia.

MSECE capstone students must submit their final project report and other deliverables, such as PowerPoint slides, to their Graduate Faculty Advisor and GPA (Victoria Olive, [olivev@uw.edu](mailto:olivev@uw.edu)) via email by 11:59PM on the last day of final exams for that quarter. **This is required.**

All MSECE capstone students are encouraged to submit their work to at least one peer-reviewed journal prior to graduation. This is optional. Acceptable journals are at the discretion of the student's Master's Supervisory Committee.

One such publishing option is UW Tacoma's ACCESS\* Journal: <https://digitalcommons.tacoma.uw.edu/access/>

## **7. Course Days, Times, and Quarters Offered**

The UW Tacoma Time Schedule lists credit classes offered at UW Tacoma. It is updated daily and is subject to change: <https://www.washington.edu/students/timeschd/T/>

The MSECE program does not regularly offer courses over Summer Quarter.

Please contact your GPA with questions.

## **8. Progression through the Program**

MSECE students must adhere to the following policies:

- Students are strongly encouraged to enroll in no more than 13 credits per quarter for 500-700 level graduate courses.
  - *\*The GPA will notify students via email who have enrolled in more than 13 credits in any given quarter with instructions to either **a)** drop a course or **b)** receive written permission from the GPC to overload their schedules.*
  - *\*Students who wish to overload their schedules must email the GPC, Dr. Vahid Dargahi ([vdargahi@uw.edu](mailto:vdargahi@uw.edu)), and the GPA, Victoria Olive ([olivev@uw.edu](mailto:olivev@uw.edu)) to request approval for a course overload.*
- Prerequisites must be completed prior to taking some elective courses. Please consult the [Detailed Course Offerings on the Time Schedule](#) to check prerequisites for specific courses.
- Required Core Courses may be taken with Depth/Elective courses, as long as the prerequisites are met.
- All Required Core Courses as well as 20 credits of graduate-level coursework must be successfully completed prior to enrolling in Independent Study, Capstone, or Thesis credits.

Any deviation from the policies listed above must be approved by the GPC.

## **9. Transfer Credits, Course Substitutions, Independent Study Courses, and Research Seminar Courses**

### **Transfer Credits**

- A maximum of 6 quarter credits of graduate-level coursework taken at another recognized academic institution may be transferred and applied to the MSECE Depth/Elective coursework requirements, when acceptable to the MSECE GPC and the UW Graduate School.
- No more than 12 credits derived from any combination of Graduate Non-Matriculated and transfer credits may be applied towards the total degree requirements.
- Transfer credits may not be applied towards the thesis or capstone requirement ([UW Graduate School Policy 1.1](#)).
- Transfer credits may only be applied to the MSECE Depth/Elective Course requirements.

### **Course Substitutions**

After matriculating, students are permitted to take a maximum of 5 credits outside of their degree program (non-TECE courses) and/or outside of the UW Tacoma campus to fulfill a Depth/Elective Course requirement for their program.

*Registering for a non-TECE course on the UW Tacoma Campus*

- Students must have completed all prerequisites for the course. Students should look at the [UW Tacoma Time Schedule](#) to see which prerequisites are required.
- Students must get permission via email to register from the MSECE Graduate Program Chair/Coordinator as well as the non-TECE course instructor.
- Students must then forward this email communication confirming permission to take the non-TECE course to their Graduate Program Advisor who will then register them.

*Registering for a course on the UW Seattle or UW Bothell campus(es)*

- Students must have completed all prerequisites for the course. Students should look at the [UW Seattle Time Schedule](#) and/or [UW Bothell Time Schedule](#) to see which prerequisites are required.
- Students must contact the instructor of the course on the UW Seattle and/or UW Bothell campus via email to get approval for registering for the course.
- Students must get permission from the MSECE Graduate Program Chair/Coordinator. Since students will be taking this course in place of a Depth/Elective course on the Tacoma campus, this still qualifies as a “substitution.”
- Students need to provide confirmation from the instructor from UW Seattle and/or UW Bothell and the student’s reasoning for wanting to take this course, such as not enough elective options or that this course is in a specialized area of academic interest.
- To receive approval, students will need to [complete this petition](#) and send it to their Graduate Program Chair/Coordinator directly.
- If the GPC approves the petition, students will then need to work with the Advising Team on the [UW Seattle](#) and/or [UW Bothell](#) campus to add this course to their schedule.
- Cross-campus enrollment does not open until Registration Period II.

Substituted courses may only be applied to your program’s Depth/Elective Course requirements.

## **10. Tuition Exempt Status**

Eligible University and State of Washington employees may enroll in up to 12 credits towards the requirements of any graduate degree program using a tuition exemption,

provided they enroll on a space available basis. Eligible students are allowed to enroll in courses that have been designated as available for tuition exemption.

A maximum of 6 credits per quarter will be eligible for tuition exemption.

Tuition-exempt students may register beginning the third day of the quarter (UW staff and faculty) or the fourth day of the quarter (all others).

More information about tuition exemption policies can be found online: <https://tacoma.uw.edu/uwt/registrar/tuition-exemption>

Students enrolled in courses other than ones previously listed are not eligible for tuition exempt status and must pay tuition and fees.

## **11. Filing for Graduation - Request a Master's Degree**

The below timeline is a general guideline, based on UW Graduate School policies and procedures, to help students understand the graduation process. Eligibility for graduation is determined by satisfactory completion of all UW Graduate School and program degree requirements by the last day of the quarter a student intends to graduate.

Refer to [dates and deadlines](#) for quarterly deadline information and [Policy 1.1](#) to review UW Graduate School degree requirements.

### **Beginning of the Quarter**

Students must maintain registration as a full-time or part-time graduate student (2 credits minimum) for the quarter the degree is conferred.

The [Master's Degree Request](#) (application to graduate) for the current quarter in session becomes available to complete on the first day of instruction through the last day of the quarter.

Submitting this request will generate a degree audit. Any incomplete or in-progress requirements should be discussed with your Graduate Program Advisor.

International students should review the [International Student and Scholar Services \(ISSS\) final quarter registration information and checklist](#).

### **Last Day of the Quarter**

Students who miss the deadline to file a Master's Degree Request for the current quarter will not be graduated until the following quarter.

Those who miss this deadline should refer to [UW Graduate School Policy 3.6: Graduate Registration Waiver](#). Students eligible for the Graduate Registration Waiver must submit fee payment per instructions.

The last day of the quarter (11:59PM) is the deadline for Master's Thesis students to submit their electronic thesis and [Master's Thesis Approval Form](#) to the [UW ETD Administrator Site](#).

Those who miss this deadline should refer to [UW Graduate School Policy 3.6: Graduate Registration Waiver](#). Students eligible for the Graduate Registration Waiver must submit fee payment per instructions.

### **After the Quarter Ends**

Graduate Enrollment Management Services (GEMS) advisors review electronic theses and dissertations (ETDs) as they are submitted throughout the quarter. The highest volume of ETDs are received and reviewed at the end of the quarter.

Students will be notified if any revisions are needed to their electronic thesis and will also be notified when their ETD is accepted. All requests for revisions are sent via email to the student directly with a new deadline to re-upload the document with the requested changes.

GPA's submit degree recommendations to GEMS during the week after the quarter ends. GEMS cannot graduate a student until the GPAN has recommended their graduation. Once recommended, GEMS advisors will review individual degree audits for each student and process graduation requests.

Students will receive an email when their graduation has been recommended and when their degree has been granted by the UW Graduate School.

Degrees will be posted to UW transcripts 2 business days after the UW Graduate School processes the student's graduation. Students should confirm that their degree has been posted before ordering official transcripts. This can be done by viewing unofficial transcripts in the [MyUW student portal](#).

Students that need proof of degree completion before their degree has been posted should request a letter of certification from the forms section of the UW Graduate School's website: <https://grad.uw.edu/grad-school-policies/additional-resources/>



Students may login and enter their requested diploma name and diploma mailing address by using the [online diploma name and address form](#). If students do not enter anything on the form, the Office of University Registrar (OUR) will print the diploma using the student's UW record name and mail their diploma to the permanent address on their UW record.

OUR physically mails diplomas 2 - 3 months following graduation.

Although students may complete the program in any quarter, the annual Commencement and Graduate Hooding Ceremonies only occur once a year in Spring Quarter. Participation in these ceremonies is optional but does require online registration. Students should watch their UW email during their final quarter and contact their GPA for information.

Students completing the program in Summer Quarter may participate in these ceremonies in Spring Quarter.

## **12. Funding Opportunities**

SET awards a few competitive scholarships to students each year, as well as limited research assistantship, teaching assistantship and hourly paid positions.

SET department and program-specific scholarships can be reviewed at:

<https://tacoma.uw.edu/set/admission/scholarships>

The number of research assistantships, teaching assistantships, and other paid research positions vary depending on grants awarded to the school. Students on H-45 visas may not be eligible for these positions or any other paid position.

Positions will be advertised on the SET website, the [allsetgrad@lists.uw.edu](mailto:allsetgrad@lists.uw.edu), and/or the [uwtechmsece@uw.edu](mailto:uwtechmsece@uw.edu) student listserv as they become available. Students must submit a separate application to be considered.

Students seeking funding should utilize the resources provided by the [Graduate Funding Information Service \(GFIS\)](#) at [gfis@uw.edu](mailto:gfis@uw.edu).

Funding resources are also provided through the [UW Tacoma Office of Global Affairs](#).

## **13. International Students**

Students on F-1 visas will pay non-resident tuition. F-1 students are eligible to apply for research assistantship and/or teaching assistantship positions and may work on campus for up to 19.5 hours per week.

Students on H-4 visas should reach out to the International Student and Scholar Services (ISSS) team at [uwtiss@uw.edu](mailto:uwtiss@uw.edu) for questions about in-state tuition and employment options.

International students must contact the Office of the Registrar for residency petitions and all related information. Visit the website for more information:

<https://tacoma.uw.edu/registrar/residency>

International students should contact the [International Student and Scholar Services Office \(ISSS\)](#) for advising prior to making any visa changes. In addition, the ISSS coordinates the CPT and OPT approval process. Students should contact their ISSS advisor first, then follow up with their Graduate Program Advisor.

Please note that new students are not eligible for CPT. International students must complete 3 academic quarters as full-time students before they can be eligible for CPT. For instance, an international student starting in Autumn Quarter would need to complete Autumn Quarter, Winter Quarter, and Spring Quarter. They would then be eligible for CPT starting Summer Quarter.

International students should remain in close contact with their International Student Advisor. Students must inform their International Student Advisor immediately about major changes, such as requesting academic leave, family emergencies, sickness, injury, changes in registration, etc.

Additionally, we strongly recommend that newly matriculated international students schedule an introductory meeting with the International Student Advisor after [New International Student Orientation](#) to ensure a smooth transition.

#### **14. Index of Graduate School Memoranda**

The Index of Graduate School Policies includes graduate program policies maintained by the UW Graduate School. Content is reviewed and modified as needed. Final decisions regarding the implementation or continuation of policies receive the advice of the Graduate School Council. All of these policies are available online: <https://grad.uw.edu/grad-school-policies/>

*Continuous Enrollment and On-Leave Status*

Graduate students are required to maintain graduate status during their program of study. Failure to maintain this status requires reinstatement to the graduate program and the University of Washington.

Students who desire to take a quarter or quarters off without going through the reinstatement process must apply for on-leave status for each quarter they do not register. For complete details regarding on-leave policies, refer to [Policy 3.5: Graduate On-Leave Status](#).

#### *Procedure for Requesting Leave*

Beginning September 28, 2011, students requesting on-leave status must submit an [online Request for On-Leave Status via MyGrad Program](#). For a given quarter, students can submit the request as early as two weeks prior to the first day of instruction and must submit payment of the non-refundable fee no later than 11:59PM PST on the last day of instruction.

Leave is granted on a quarterly basis, though the following students may request up to 4 consecutive quarters of leave at one time: PCMI students, military personnel with deployment orders, and some UW Fulbright grantees. With the exception of military personnel with deployment orders, students will be required to pay the fee for each quarter of leave requested.

Please refer to the UW Graduate School's Academic Calendar for quarterly deadlines for requesting leave: <https://grad.uw.edu/calendars/student-dates-deadlines/>

#### *Reinstatement to the Graduate School*

Students previously registered in the Graduate School who have failed to maintain graduate student status, i.e. on-leave status was not secured and registration was not maintained, but wish to resume studies within the same degree program must file a request for reinstatement to the UW Graduate School.

Requests for reinstatement are filed online through the [MyGrad Program Reinstatement portal](#). Students will need a valid UW NetID and password.

Requests will first be reviewed and approved by the department. Once the department has approved the request and the Graduate School has confirmed the student's eligibility for reinstatement, students will be notified to pay a non-refundable reinstatement fee before registering for the requested quarter of reinstatement.

#### *Time to Degree and Limits for On-Leave Status*

The Graduate School normally allows 6 years from the quarter of admission to complete all requirements for the master's degree. ***Periods spent on-leave or out of status are included in these limits.***

Before approving a Petition for On-Leave Status for a student whose leave period will take them in excess of these limits, the Graduate Program Advisor must first file a Petition to the Dean of the Graduate School via the MyGrad Program Portal explaining why this action is being requested. This Petition to the Dean must be approved by the Graduate School before the Petition for On-Leave Status is filed.

For more information, visit: <https://grad.uw.edu/policies/graduate-on-leave-status/>

### *Grading System*

Numerical grades shall be entered as numbers, the possible values being 4.0, 3.9, ... and decreasing by one-tenth until 1.7 is reached. Grades below 1.7 will be recorded as 0.0 by the Registrar and no credit is earned.

A minimum grade of 2.7 is required in each course that is to be counted toward a graduate degree. A minimum cumulative grade-point average (GPA) of 3.0 is required for graduation.

Please refer to the [University Grading System](#) for details.

Please note that some courses like Thesis and Capstone are structured to be Credit/No-Credit (C/NC).

If you have questions about the grading structure for your courses, please connect with your Graduate Program Advisor.

### *Incomplete Grades*

An Incomplete (I) may be given only when the student has been in attendance and has done satisfactory work to within 2 weeks of the end of the quarter and has furnished proof satisfactory to the instructor that the work cannot be completed because of illness or other circumstances beyond the student's control.

To obtain credit for the course, a student must successfully complete the work and the instructor must submit a grade. In no case may an Incomplete be converted into a passing grade after a lapse of 2 years or more.

An Incomplete received by the graduate student does not automatically convert to a grade of 0.0 but the “I” will remain as a permanent part of the student’s record.

To obtain credit for a course, a grade must be submitted by the instructor of the course by the grading deadline per the Academic Calendar for the next subsequent quarter. For Spring Quarter, the subsequent quarter is considered to be Autumn Quarter. This submission is done through the established late grade submission process.

The submitted grade will replace the “I” on the transcript. If no grade is submitted, the Incomplete will convert to a grade of 0.0 and the “I” will be removed from the official transcript. If a default grade was submitted by the instructor, this grade will replace the “I” on the transcript.

Courses taken as Credit/No-Credit (C/NC) will change to NC.

### *S/NS Grade Policy*

Students may elect to take certain courses on a Satisfactory/Not Satisfactory (S/NS) basis. However, credits from courses with the S/NS grading option will not count towards the program degree requirements and are not computed into GPA calculations.

Students should consult with their Graduate Program Advisor prior to changing a numerically graded courses to the S/NS option.

### *Low Scholarship Status*

Students in the MSECE program are graduate students at the University of Washington and, as such, must abide by general UW Graduate School regulations regarding progress through the program. Grades earned in prerequisite courses are considered when evaluating low scholarship status.

Students should be aware of the following regulations detailed in [UW Graduate School Policy 1.1](#):

- A minimum grade of 2.7 is required for a course to be counted towards the graduate degree.
- A cumulative GPA of 3.00 is required for graduation.

The Graduate Program Chair/Coordinator and the graduate program faculty are expected to review the status of each student who violates the above policies and to transmit to the Dean of the Graduate School a specific recommendation: ***no action; warn; probation; final probation; or drop***. Please refer to [Policy 3.7](#) for details on Academic Performance and Progress.

## **No Action**

If the review has determined that this condition is not cause for immediate concern, *no action* may be recommended for those students whose cumulative GPA is above 3.0 but whose most recent quarter's work is below 3.0.

## **Warn**

This is an early status for a student who has failed to meet expectations for performance or progress. *Warn* is used for the goal of resolving problems before escalating to *probation*.

The program may issue multiple warning letters to the student but this does not go on the student's permanent record.

## **Probation**

*Probation* is used for a student who has failed to resolve problems with performance or progress that the program has previously documented and communicated in warning letters to the student.

Programs send a probation recommendation to the student with a copy to the UW Graduate School no later than the 10th businessday of the probation quarter. At least one quarter of probation must be issued prior to *final probation*. Two additional quarters of probation may be issued at the program's discretion.

A graduate program may recommend a student be placed on *probation* while the student is on leave. The program may not change a student's probationary status while the student remains on-leave. The student must apply for leave status each quarter which is then approved by the department (see [Policy 3.5](#)).

## **Final Probation**

*Final probation* is used when a student has failed to resolve the documented problems in the student's probation status as submitted to the UW Graduate School.

Programs send a *final probation* recommendation to the student with a copy to the UW Graduate School no later than the 10th business day of the final probation quarter. The graduate program must issue one quarter of final probation prior to a *drop* from the program. A program may request an additional quarter of final probation in extenuating circumstances.

## **Drop**

**Drop** is an official action that terminates a student's enrollment in the graduate program because either a) the student has failed to resolve documented problems in the student's **final probation** status or b) the student has one of the performance issues as outlined above.

Graduate programs will submit drop recommendations to the UW Graduate School prior to the start of the quarter but no later than the 5th business day of the drop quarter. The drop status will appear on the student's official transcript.

**When dropped, a student is not eligible to complete the program or return at a later date to complete the degree.** A student dropped from one graduate program may apply to and enroll in a different graduate program if admitted.

Additional considerations as described in the graduate program policy provided to students may result in an immediate recommendation to **drop** a student without progressing through **probation** and **final probation**. The most common examples of this are unsatisfactory performance in the following:

- Qualifying or Preliminary Examinations as defined in a graduate program policy.
- Fieldwork or professional performance as defined in a graduate program policy.

### *Appeals*

Appeals must follow the process outlined in [UW Graduate School Policy 3.8](#) for the Academic Grievance Procedure.

### *Repeating a Course*

Students may repeat any course. Both the first and second grades will be included in the cumulative GPA. Subsequent grades will not be calculated but will appear on the permanent record. The number of credits earned in the course will apply towards the degree requirements only one time.

## **15. Campus Support**

There are several campus resources that students can use to get additional support, either for counseling and mental health or for specific kinds of help, including reading, writing, math, and study skills.

Students are strongly encouraged to explore the HuskiesCare services available to them:

<https://tacoma.concerncenter.com>