Management of Technology, MSTech
Graduate Student Handbook

The Polytechnic School

https://poly.engineering.asu.edu/tem/
# TABLE OF CONTENTS

MSTech Technology (Management of Technology) ................................................................. 4  
  Program Overview ............................................................................................................... 4  
  Admissions .......................................................................................................................... 4  
  Program Requirements ...................................................................................................... 6  
  Culminating Experience Overview .................................................................................... 7  

Polytechnic School Overview ............................................................................................. 8  
  About the Polytechnic School .......................................................................................... 8  
  Graduate Programs .......................................................................................................... 8  
  Purpose of this Handbook ................................................................................................. 9  
  Student Responsibility ....................................................................................................... 9  
  Facilities & Labs ................................................................................................................ 9  
  Faculty ................................................................................................................................ 9  
  Graduate Advising ........................................................................................................... 10  

Accelerated Bachelor’s + Master’s Degree Program (4+1) ................................................. 10  
  4+1 Probation Policy ........................................................................................................ 10  

Academic Standards and Policies ....................................................................................... 11  
  Grades ............................................................................................................................... 11  
  Academic Performance Standards .................................................................................. 11  
  Evaluation of Academic Performance Requirements ...................................................... 12  
  Plan of Study (iPOS) ......................................................................................................... 13  
  Time Limit for Degree Completion .................................................................................. 13  
  Continuous Enrollment and Leave of Absence Policies ................................................... 13  
  Graduate College Policies and Procedures ...................................................................... 14  
  Internships ....................................................................................................................... 15  
  Applying for Graduation ................................................................................................. 15  
  Culminating Experience Definitions – Master’s Degrees ............................................... 15  

General ASU Information .................................................................................................... 17  
  Academic Calendar .......................................................................................................... 17
Student Code of Conduct................................................................. 17
Academic Integrity ........................................................................ 17
Department & University Resources ........................................... 17
Contact Information ...................................................................... 18
Appendix A .................................................................................... 19
Instructions for the Management of Technology Portfolio .......... 20
Program Overview
The MSTech Technology (Management of Technology) prepares students for leadership roles as technically proficient professionals in technology-driven organizations, whether private or public. Students are prepared to successfully transition into leadership positions in their field of expertise and to move into a general leadership role outside their area of technical expertise as their careers grow.

This degree program is open to individuals with a technical undergraduate degree who wish to develop their leadership and management skills to complement their technical expertise. The curriculum is tailored to the needs of the student, ensuring each student obtains basic leadership and management skills.

This program prepares students for leadership roles as technically proficient professionals in technology-driven organizations, whether private or public. Students are prepared to successfully transition into leadership positions in their field of expertise and to move into a general leadership role outside their area of technical expertise as their careers grow.

Admissions
Admission to the MSTech Technology (Management of Technology) program requires the completion of all general admission requirements and procedures set forth by the Office of Graduate Admissions. For general information on applications, deadlines, international requirements, application requirements, and other information, please see Graduate Admissions. Prior to submitting an application to Graduate Admissions, applicants should review the information provided in this handbook regarding the degree program, including specific application requirements and deadlines.

Submission of an Application
For admission information and procedures, review the How and When to Apply For Graduate Admission website. Applications for all graduate degree programs and non-degree status must be submitted via the application website.

Current students with an approved Request to Maintain Continuous Enrollment petition on file with the Graduate College prior to their semester of nonregistration and are continuing the same degree program for the semester immediately following the approved request are not required to submit a new application for admission.

Application Deadlines
The dates noted are priority deadlines for submitting a complete application. Applications received after this date may still be considered but are not guaranteed to be evaluated for the semester of application.
Fall semester (August)  April 1
Spring semester (January)  September 15

Admission and Eligibility
Applicants must meet the following admission requirements:

- Minimum of a bachelor’s degree and adequate preparation in statistics and other STEM-related coursework from a regionally accredited college or university.
- Minimum of 3.00 cumulative GPA (scale is 4.00=A) in the last 60 semester hours or 90 quarter hours of a student’s first bachelor’s degree program.
- Minimum of 3.00 cumulative GPA (scale is 4.00=A) in graduate work, if applicable.
- Applicants with grades below the minimum level may be considered for provisional admission if there is strong evidence suggesting the potential of outstanding performance in the Polytechnic School graduate program. In certain cases, demonstrated aptitude through professional experience or additional post baccalaureate education may also be considered.

A complete MSTech Technology (Management of Technology) program application includes the following items:

- An online Graduate Admission application, including attachments of the following documents:
  - A professional resume
  - A statement of purpose
- Transcripts from each college and/or university attended
  - Unofficial transcripts can be uploaded directly to the online application. Official transcripts will be required if admitted.
  - Applicants are responsible for submitting official transcripts to Graduate Admissions for their undergraduate degree and graduate coursework, if applicable.
- Official GRE general exam scores
  - A GRE Waiver Request is available for those meeting the criteria and applying to one of the master’s programs.
- 3 letters of recommendation
- International applicants must also meet the English proficiency requirements, as defined by Graduate Admissions. Please be sure to review the TOEFL, IELTS, or PTE score requirements, as International applications will not be processed without valid proof of English proficiency.

Academic units submit recommendations regarding admission decisions to Graduate Admissions; only the Dean of Graduate Admissions can make formal offers of admission. Applicants are able to monitor the status of their application through My ASU. If admitted, the formal letter of admission can be downloaded from My ASU. If denied admission, letters are sent via email to the address on record.
Financial Aid
Several resources are available to help students understand how to finance a graduate degree. We recommend visiting Pay for your Graduate Education via Graduate College, and Paying for College via Financial Aid and Scholarship Services. For an estimated cost of enrollment, visit: Standard Cost of Attendance.

If assistantships are available, they are managed within the program’s department. Interested students should contact the MSTech Technology (Management of Technology) program chair, Carolyn Hirata, for more information.

Program Requirements
The MSTech Technology (Management of Technology) requires a minimum of 33 credit hours. These credit hours must include the following:

**Required Core Courses** (18 credit hours)
- OMT 520 Strategic Management of Technology (3)
- TEM 531 Disruptive Innovation and Technological Evolution (3)
- OMT 548 Statistical Methods for Research (3)
- TEM 598 Startup Workshop (3)
- TEM 598 Technological Entrepreneurship (3) OR FSE 501 Technological Entrepreneurship (3)
- OMT 549 Research Techniques (3) OR TEM 598 Data Driven Decision Making (3)

**Elective Courses** (12-15 credit hours)
*Number of elective credits required depends on the culminating experience selection. Students may select any graduate electives with approval of their faculty advisor. Courses outside of the department may require additional prerequisites or faculty/department approval. Students may count a maximum of 6 credit hours of 400-level electives and a maximum of 3 credit hours of TMC 584 Internship. Recommended courses include:*

- OMT 504 Ethical Issues in Technology (3)
- OMT 570 Advanced Project Management (3)
- TEM 532 Advanced Analysis of Systems (3)
- TEM 598 Opportunity Evaluation (3)
- TEM 598 Digital Promotion and Analysis (3)
- IEE 572 Design of Engineering Experiments (3)
- GTD 501 Global Technology and Development (3)
- GTD 503 Technology and the International Political System (3)

**Culminating Experience** (0-3 credit hours)
Select one (1) culminating experience:
- Portfolio (0 credits)
- TMC 593 Applied Project (3 credits)
Culminating Experience Overview

Portfolio
The portfolio is a highlight of three major accomplishments from the master’s program, and may include projects, papers, and exams. Portfolio submission includes resume, reflection of graduate program accomplishments with the supporting assignments/projects included. Portfolio submissions are reviewed by the program chair for consistency in grading.

<table>
<thead>
<tr>
<th>Semester</th>
<th>Submission window</th>
<th>Resubmission (if required)</th>
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<tr>
<td>Spring</td>
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<td>Summer</td>
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<td>Fall</td>
<td>Within 30 days of graduation</td>
<td>Within 30 days of graduation</td>
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A cover page needs to be included describing what courses the projects were carried out in, and why they were selected for inclusion in the Portfolio by the student. The Graduate Program Chair will be solely responsible for judging the quality of the portfolio and determining if it is satisfactory to serve as the required culminating event for the degree. For students selecting the portfolio option, the committee consists only of the Graduate Program Chair serving as committee chair.

Portfolio instructions and Record of Portfolio Evaluation form are in Appendix A.

Applied Project
The applied project is carried out under the supervision of a faculty member, typically a member of the Management of Technology graduate faculty. Students are not assigned a faculty advisor. Students must take initiative to contact a faculty member working in their area of interest. Students desiring to conduct an applied project must first obtain the approval of a faculty member to work with them on the project. This is recommended to be done before the end of the second semester (by +1 year for accelerated students). Enrolment in the applied project is in the last semester of the graduate program.

Applied projects are not required to be connected with industry.

At completion of the applied project, a written document is required. The document is less involved than a thesis and is not expected to be published. More generalizable in comparison to the thesis, flexibility in final format. In all cases, the student must prepare and present the applied project to the faculty advisor and discuss the implementation and results of their project. This presentation will be open to all graduate students.

Credit is earned when the faculty advisor approves the written report and oral presentation and a grade of B or better is awarded. For students carrying out an applied project, the faculty chair is the faculty advisor for the project. The applied project committee consists only of the faculty chair.
Polytechnic School Overview

About the Polytechnic School
The Polytechnic School is making a new higher education experience, one that focuses on learning through making things and solving real-world challenges through collaboration. At the Polytechnic School, we believe how you learn and teach is as important as what you learn and teach. We are committed and contributing to ASU’s vision of the New American University – an institution that is committed to excellence, access, and impact.

The Polytechnic School is located in Mesa, which is the state’s third-largest city and part of the Greater Phoenix area. The 600-acre ASU Polytechnic campus is built in a beautiful desert arboretum and is home to more than 4,450 students studying in undergraduate and graduate majors. The Polytechnic School is home to some of the most innovative engineering and technology programs in the country and some of the most advanced learning laboratories available to students on any university campus.

The programs thrive under the guidance of more than 100 outstanding faculty members with deep expertise in many of the most important challenges that society faces.

Visit the Polytechnic School website at poly.engineering.asu.edu. For more in-depth information about the programs offered through the Polytechnic School as well as the application process and other pertinent information, you are encouraged to explore the overview of the graduate programs.

Graduate Programs
The Polytechnic School’s graduate students learn in an environment that blends management, applied sciences, and engineering and technology fields to create applications, systems, and solutions that meet real-world needs. We engage in research that matters. As part of the Polytechnic School masters programs, applied projects, theses, and research are degree components and complement students’ theoretical and practical understanding. The Polytechnic School doctoral programs include separate degree components, all of which are outlined in each program’s handbook.

Masters Degrees
Aviation Management and Human Factors, MSTech in Technology Engineering, MS
Environmental and Resource Management, MS
Environmental and Resource Management (Water Management), MS
Graphic Information Technology, MS
Human Systems Engineering, MS
Information Technology, MS
Management of Technology, MSTech in Technology
Manufacturing Engineering, MS
Robotics and Autonomous Systems, Systems Engineering, MS
User Experience, MS

Doctoral Degrees
Engineering Education Systems and Design, Ph.D.
Human Systems Engineering, Ph.D.
Systems Engineering, Ph.D.

Programs No Longer Admitting Students
Environmental Technology Management, MSTech in Technology
Graphic Information Technology, MSTech in Technology

Purpose of this Handbook
The purpose of this handbook is to provide guidance and information related to admission, degree requirements, and general policies and procedures for graduate students in the Polytechnic School. Students must adhere to policies of both the Polytechnic School and the Graduate College. Policies and this handbook are subject to change at any time; students will be notified.

Student Responsibility
Graduate students are responsible for familiarizing themselves with all university and graduate policies and procedures as well as applicable deadlines. Each student should also communicate directly with his/her academic unit to be clear on its expectations for degree completion. Graduate students are responsible for frequently checking their My ASU account and asu.edu email for the most up-to-date information regarding their status, holds, items to attend to, and other important information.

Facilities and Labs
The core facilities, laboratories, and centers in the Polytechnic School provide the ideal environments for teaching, research, and discovery. State-of-the-art equipment and technologies help students increase their knowledge and experience and provide support for the use-inspired research conducted by the school’s faculty and students. Learn more by visiting: Labs and Facilities.

Faculty
Faculty members have significant expertise in many of the most important challenges that society faces. Many members of the faculty bring considerable industry experience to bear on their teaching and research. To learn more about the faculty, you may refer to the Polytechnic School Directory.
Graduate Advising
Graduate student advising is located on the Polytechnic campus in Wanner Hall on the first floor. For more information about the Polytechnic School graduate programs or the policies in this handbook, contact the graduate advising office at polygrad@asu.edu or 480-727-4723.

Accelerated Bachelor’s + Master’s Degree Program (4+1)

The Polytechnic School offers accelerated BS/MS and BSE/MS programs for students currently enrolled in an approved undergraduate program. This allows students to graduate with both degrees within five years of full-time coursework.

If you are interested to see if your program is part of the accelerated (4+1) program offerings, visit 4+1 Degree Programs and contact the Polytechnic School Graduate Advising office at polygrad@asu.edu to discuss your 4+1 options. Please note that in addition to credit hour requirements, applicants must also have a cumulative ASU GPA of 3.20 or higher at the time of application to be considered. Admission into the accelerated programs is not guaranteed and an application is required to be considered.

4+1 Probation Policy
Students in the accelerated BS/MS and BSE/MS programs are required to maintain a minimum 3.20 cumulative undergraduate ASU GPA on a 4.0 scale, at the time of application and through the completion of the undergraduate degree requirements. In addition, students in the accelerated BS/MS and BSE/MS programs are also required to maintain a 3.0 GPA for all coursework on the graduate plan of study (including shared 400-level courses) and all 500-level coursework.

Students in the accelerated program who, upon their undergraduate graduation date, do not maintain a minimum 3.2 cumulative undergraduate ASU GPA on a 4.0 scale will be able to continue into the graduate portion of the accelerated program, but will neither be able to share the credits noted on the 4+1 Agreement nor be able to select other courses to share. Students in this situation will still need to complete the full requirements of their respective graduate degree.

Students in the accelerated program who do not maintain a 3.0 minimum GPA in their shared coursework will be placed on probation upon entering the graduate program. Students in this situation will be notified of their probation status and the steps needed to lift the probation.

Students who violate both requirements will not be permitted to continue on to the graduate portion of the 4+1 Accelerated Program and will consequently be removed from both the 4+1 Accelerated Program as well as the respective graduate program.
Academic Standards and Policies

Grades
To be eligible for graduation and the completion of a graduate degree, a student must achieve a cumulative grade point average (GPA) of 3.0 or better in three different grade point average calculations. The three different grade point averages that are considered by Graduate College and the Polytechnic School are as follows: (1) the grade point average in all courses numbered 500 or higher that appear on the transcript, except those that were listed as deficiencies in the original letter of admission, (2) the grade point average in all coursework that appears on the approved program of study, and (3) the grade point average in all coursework taken at ASU post baccalaureate.

Transfer credits are not calculated on the Plan of Study (iPOS) GPA or the Graduate GPA. Courses with grades of “D” (1.00) and “E” (0.00) cannot appear on the iPOS but will be included when calculating the Graduate GPA. Courses with an “I” grade cannot appear on the iPOS.

A student who is not progressing satisfactorily toward a degree will be withdrawn from the program by the Dean of the Graduate College upon recommendation by the Fulton Schools of Engineering Dean’s office. The policy of the Polytechnic School for academic probation and dismissal of graduate students is outlined below.

Satisfactory progress is defined by the quality of the student’s work, that it does not have any academic and progress probationary issues, and that the student is meeting all requirements and/or milestones applicable to their program. Specifically for Doctoral students, this also includes the successful completion of the qualifying and comprehensive exams, as determined by their program. In addition to the probationary rules, satisfactory progress includes appropriate communication each semester with the student’s Committee Chair regarding his or her progress, if applicable.

Students in the accelerated degree programs (4+1) will have separate requirements to meet while completing their undergraduate degree. See accelerated bachelor’s + master’s degree program (4+1) section above for more information. Once students are in the graduate portion of the program (and have completed their undergraduate degree), they must meet the graduate academic expectations outlined in this section.

Academic Performance Standards
To meet the Polytechnic School academic performance requirements, all students admitted to a graduate degree program in the Polytechnic School must adhere to all of the following:

All students admitted to a graduate degree program in the Polytechnic School, either on a regular or provisional admission status, must maintain a 3.0 or higher grade point average (GPA) in:

1. All work taken for graduate credit (courses numbered 500 or higher),
2. Coursework in the student’s approved plan of study (iPOS), and
3. All coursework taken at ASU (overall GPA) post baccalaureate.
Earn a “C” or better in all iPOS (plan of study) courses. Grades of “W” and “I” are not acceptable on the iPOS and may be considered lack of satisfactory progress if more than one occurrence during the students’ graduate program of study. Programs may invoke a higher standard, e.g., no courses with a C may be included on the iPOS.

Meet the terms of the ASU Graduate College satisfactory progress policies as outlined at: **ASU Graduate Policies and Procedures.**

**Evaluation of Academic Performance Requirements**

After each semester, the academic unit reviews students’ files for satisfactory progress towards completion of the degree. All students are placed under one of the three categories:

- **Satisfactory Progress** means that the student does not have any academic and progress probationary issues. In addition to the probationary rules, satisfactory progress includes appropriate communication each semester with the student’s Committee Chair regarding his or her progress, if applicable.

- **Academic Probation** pertains to grades that fall below those required by Program and University policies, including graduation requirements. The following are notices/letters the student will receive if one of these pertains to their academics:

  **Grade Point Average**
  - GPA below 3.0 in approved iPOS courses
  - Overall post baccalaureate GPA below 3.0
  - Overall graduate (500 level or above) GPA below 3.0

  **Deficiency Course(s)**
  - Lack of progress toward completion of required deficiencies as listed on the admission letter
  - Received a “D” or “E” in a required deficiency course or in a course at the 400 level or above
  - Deficiency GPA below 3.0

Students placed on academic probation will have nine (9) credits or one year, whichever comes first, to meet Satisfactory Progress and GPA requirements as outlined above.

- A student will be recommended for **Withdrawal** from the program if she or he fails to meet the probationary standards outlined in their probationary letter. The student will receive a letter from the Polytechnic School explaining the reasons for recommendation for withdrawal. The student will have five (5) business days from the date of the letter to appeal the decision. The department’s Graduate Affairs Committee (GAC) will review the appeal and will make the necessary recommendation. The GAC Chair, on behalf of the GAC, will provide a written explanation of the outcome of the appeal.

  - If the outcome is favorable, the student will have to meet all the outlined requirements at the end of the specified period. The student will be required to sign an agreement acknowledging the recommendations of the GAC and the
consequences if the agreements are not met.

- If the GAC recommends that the appeal is not granted in favor of the student, the GAC Chair, on behalf of the GAC, will recommend to the Fulton Schools of Engineering (FSE) Dean’s Office to withdraw the student from the graduate program. The student’s appeal will then be reviewed by the FSE Academic Standards Committee, which reviews the student’s case and makes the final recommendation on behalf of the FSE Dean’s Office and the department. If the appeal is not granted in favor of the student, the Fulton Schools of Engineering Dean’s Office will recommend to the Graduate College to withdraw the student from the graduate program. Please refer to the Graduate College catalog for policies and procedures or contact the graduate advisor in the Polytechnic School with further questions.

### Plan of Study (iPOS)

The Plan of Study (iPOS) functions as a contract between the student, the academic unit, and the Graduate College. The iPOS contains certain degree requirements such as core and elective coursework as well as a culminating experience, which must be included in the iPOS before it can be approved. Students should submit an iPOS after registering for their second semester in the program. Students must submit an iPOS before completing 50 percent of the credit hours required for their degree program. A student is not eligible to schedule the comprehensive examination without an approved iPOS.

A student can access the iPOS by visiting My ASU > My Programs > iPOS > Graduate Interactive Plan of Study (iPOS). Please reference our iPOS Overview for in-depth information on what must be included on the iPOS.

Students may not register for dissertation credit (799) until their iPOS is submitted and approved.

### Time Limit for Degree Completion

All work toward a master’s degree must be completed within six consecutive years. Doctoral students must complete all program requirements within a ten-year period. The time period begins with the semester and year of admission to the program. Graduate courses taken prior to admission that are included on the Plan of Study must have been completed within three years of the semester and year of admission to the program. See the ASU Graduate Policies and Procedures for more information.

### Continuous Enrollment Policy

Once admitted to a graduate degree program, students must be registered for a minimum of one credit hour of graduate-level coursework (not audit) during each fall and spring semester of their graduate education. Summer registration is required for students taking examinations, completing culminating experiences, conducting a doctoral prospectus, defending theses or dissertations, or graduating from the degree program in that semester. This credit must appear on the Plan of Study.
or must be an appropriate graduate-level course (e.g. 595, Continuing Registration). Courses with grades of “W” and “X” are not considered valid registration for continuous enrollment purposes.

Students who have completed all necessary coursework but still need to complete their culminating experience can request an override for 595 Continuing Registration for 1 credit hour to maintain active status in their program. First term requests are sent to the student’s committee chair to approve and verify that the student is making adequate progress. If a second term request is necessary, along with the override request the student must submit a timeline of remaining requirements to verify how they plan to complete the program in that semester. Below is an example timeline:

Completion of on Introduction, Literature Review, Methodology - August 31
Distribution of survey - September 1 - 30
Analysis of data and write up of Data Analysis and Conclusion chapters- October 1-31
Defense of thesis – November

**Leave of Absence Policy**

Students planning to discontinue enrollment for a semester or more must request approval for a leave of absence through the Plan of Study (iPOS) petition titled *Request to Maintain Continuous Enrollment*. The Graduate College allows for a leave of absence for a maximum of two semesters during a student’s entire program. A petition for a leave of absence (Request to Maintain Continuous Enrollment), endorsed by the student’s faculty advisor and the department chair, must be approved by the Graduate College. This request must be submitted and approved before the start of the semester of the anticipated absence.

An approved leave of absence will enable students to re-enter their program without reapplying to the university and the graduate program. Students who do not enroll for a fall or spring semester and do not have an approved Request to Maintain Continuous Enrollment are considered withdrawn from the university under the assumption that they have decided to discontinue their program. A student removed for this reason may reapply for admission to resume their degree program; the application will be considered along with all other new applications to the degree program.

A student with a Graduate College-approved Request to Maintain Continuous Enrollment is not required to pay tuition and/or fees, but in turn is not permitted to place any demands on university faculty or use any university resources. See the [ASU Graduate Policies and Procedures](#) for more information.

**Graduate College Policies and Procedures**

All graduate students are expected to read, understand and meet the terms of the ASU Graduate College Policies and Procedures handbook as outlined at: [ASU Graduate Policies and Procedures](#).
Policy on Maximum Course Load
Registration in nine (9) credits is considered a full-time load for graduate students at ASU, and graduate students in the Ira A. Fulton Schools of Engineering are restricted to a maximum of 12 credits per semester. Overrides to register for more than 12 credits require the approval of the student’s committee chair and Graduate Program Chair and will be granted only in exceptional cases. Requests to register for more than 15 credits will not be supported.

Internships
Polytechnic School graduate students can request to take internship as a XXX 584 course option for academic credit if an approved and eligible internship is obtained. Internship is not a requirement for graduate programs within The Polytechnic School, but can be added as a planned option to the graduate plan of study. International students can apply for curricular practical training (CPT) if eligible to do so. No more than 3 credits of internship coursework can be used. The 3 credits can be divided between a maximum of two semesters for two different internship opportunities. For more information on internships, policies, and the application process, please visit: https://poly.engineering.asu.edu/cpt/.

Applying for Graduation
Graduate students should become familiar with the process of applying for graduation to ensure the graduation application is submitted by the deadline of the graduating semester. The University has specific deadlines each semester for submitting the Graduation application. To view the specific deadlines for future terms, log into MyASU and click on the Graduation tab. Please also be sure to review the Graduate College graduation deadlines and procedures as well. All students must have an approved and up-to-date iPOS on file in order to apply for graduation.

Culminating Experience Definitions – Master’s Degrees
Below is an overview of the culminating experience options offered within the Polytechnic School’s graduate programs. Culminating experience options vary by program.

Portfolio
The portfolio is a highlight of three major accomplishments from the master’s program, and may include projects, papers, exams. Portfolio submission includes resume, reflection of graduate program accomplishments with the supporting assignments/projects included. Reviewed by program chair for consistency in grading. There are specific submission timeframes (Spring - March/Summer - June/ Fall - October) noted in the program section for eligible programs.

A cover page needs to be included describing what courses the projects were carried out in, and why they were selected for inclusion in the Portfolio by the student. The Committee Chair and/or the Graduate Program Chair will be solely responsible for judging the quality of the portfolio and determining if it is satisfactory to serve as the required culminating event for the degree.

Written Comprehensive Exam
The written comprehensive exam is coordinated by the Graduate Program Chair and leads the administration of the comprehensive exam to the students in their final semester. Support is
available from advising if on-campus comprehensive exam is required. The exam takes place in the last six weeks of the semester. Grading is pass/fail. If a student fails, the student may petition to take the comprehensive exam one more time in a future term.

**Capstone**
The capstone is the only culminating experience option that has a class time/date associated with it. Within the course, students will follow the syllabus and requirements outlined by the professor.

**Applied Project**
The applied project is carried out under the supervision of a faculty member, typically a member of the AMT graduate faculty. Students are not assigned a faculty advisor. Students must take initiative to contact a faculty member working in their area of interest. Students desiring to conduct an applied project must first obtain the approval of a faculty member to work with them on the project. This is recommended to be done before the end of the second semester (by +1 year for accelerated students). Enrolment in the applied project is in the last semester of the graduate program. An exception to this is for MS Human Systems Engineering as six credits/two semesters of enrollment are required.

Applied projects are not required to be connected with industry. There is a preference for industry-tied projects for Aviation Management & Human Factors, Human Systems Engineering, and Information Technology.

At completion of the applied project, a written document is required. Document is less involved than a thesis and is not expected to be published. More generalizable in comparison to thesis, flexibility in final format. In all cases, the student must prepare and present the applied project to the faculty advisor and discuss the implementation and results of their project. This presentation will be open to all graduate students.

Credit is earned when the faculty advisor approves the written report and oral presentation and a grade of B or better is awarded. For students carrying out an applied project, the faculty chair is the faculty advisor for the project. The applied project committee consists only of the faculty chair.

**Thesis**
Thesis is a large research commitment, recommended for those wanting to pursue a PhD or a career focused in research. Work involves a new research area or extension of previous research, taking a new approach to a topic. The thesis topic can be initiated by either the student or the faculty advisor. Students must adhere to Graduate College (GC) policies, formatting requirements, and deadlines. Final document is published through ProQuest through the GC processes.

Students are not assigned a faculty advisor. Student must take initiative to contact a faculty member working in their area of interest. This should be done as soon as possible, but no later than the second semester of study. For 4+1 students, the faculty advisor should be identified by the end of the last semester of the bachelor’s degree completion. Enrollment in 599 must be in the last two
semesters of the program.

Thesis grading is pass/fail. Students may receive 'Pass with minor or major revisions' post-defense, but ultimate grade will be pass/fail. Students must have pass/fail form submitted to Graduate College within 10 days of defense, and as soon as any required revisions are accepted by committee. **GC deadlines** should be adhered to closely. The committee must consist of three faculty (one chair, two members or two co-chairs, one member) approved by the Graduate Program Chair and Graduate College. The thesis defense will be open to all graduate students and faculty.

### General ASU Information

#### Academic Calendar

Students are responsible for meeting all deadlines set within the ASU Academic Calendar. The calendar can be found at [students.asu.edu/academic-calendar](students.asu.edu/academic-calendar).

#### Student Code of Conduct

The aim of education is the intellectual, personal, social, and ethical development of the individual. The educational process is ideally conducted in an environment that encourages reasoned discourse, intellectual honesty, openness to constructive change, and respect for the rights of all individuals. Self-discipline and a respect for the rights of others in the university community are necessary for the fulfillment of such goals. The Student Code of Conduct is designed to promote this environment at Arizona State University.

The Student Code of Conduct sets forth the standards of conduct expected of students who choose to join the university community. Students who violate these standards will be subject to disciplinary sanctions in order to promote their own personal development, to protect the university community, and to maintain order and stability on campus.

All students are expected to adhere to the [ABOR Student Code of Conduct](https://www.asu.edu/abor/student-code-of-conduct).

#### Academic Integrity

The highest standards of **academic integrity** and compliance with the university's Student Code of Conduct are expected of all graduate students in academic coursework and research activities. The failure of any graduate student to uphold these standards may result in serious consequences, including suspension or expulsion from the university and/or other sanctions as specified in the academic integrity policies of the Polytechnic School as well as the University.

Violations of academic integrity include, but are not limited to: cheating, fabrication of data, tampering, plagiarism, or aiding and/or facilitating such activities. At the graduate level, it is expected that students are familiar with these issues and take personal responsibility in their work. It is the student’s responsibility to become familiar with the academic integrity policies of the university and Graduate College.
Department and University Resources

- Academics and Professional Development
  - ASU libraries
  - Career Centers (both ASU and Fulton Schools of Engineering)
  - Graduate and Professional Student Association
  - Polytechnic School graduate student resources and forms
  - Professional development
  - Writing Center

- Student Support Services
  - Counseling
  - Disability Resources
  - Health
  - Housing
  - International Student Services
  - Veterans

- Business and Finance services
  - ASU ID cards
  - ASU bookstore
  - Parking and Transit
  - Student accounts

Contact Information
For more information about the Polytechnic School graduate programs or the policies in this handbook, contact the graduate advising office at polygrad@asu.edu or 480-727-4723.
Appendix A

Instructions for the Management of Technology Portfolio

The purpose of the portfolio is to demonstrate a high level of mastery of the management of technology through a compilation of work that you have completed through the course of your graduate study. While the specific details will depend on your specialization, all portfolios must describe three notable projects -- academic accomplishments that you have completed through your course graduate study that illustrate the evolution and advancement of your technical expertise and mastery in the management of technology.

The portfolio is a professional document that written in APA or MLA style, and will be reviewed and evaluated both for technical content and the quality of writing and presentation. The format of the portfolio must be as follows:

1. **Cover page**
2. **Vita:** An up-to-date vita reflecting your accomplishments to date.
3. **Overview:** A brief description of the three notable accomplishments that you achieved during your graduate experience that will be highlighted in the portfolio and why they have been chosen. Typically this section is three or four paragraphs.
4. **Accomplishments:** Document each of your three chosen topics as follows:
   a. Title of Topic.
   b. An explanation of the accomplishments that the topic is illustrating.
   c. A reflection on why you consider this to be significant.
   d. Evidence of accomplishment. In this section include materials such as project reports, results of exams and homework or other related materials.
   e. A summary that demonstrates your mastery of the subject by referring to the evidence presented in section 4d. (Typically the summary is a few paragraphs in length.)
      If a specific class had multiple noteworthy projects two of these projects can be used, but at least two classes must be represented in the portfolio.
5. **Reflections:** A short reflection on your graduate experiences and how the accomplishments you have chosen to highlight in your portfolio illustrate the level of achievement that you attained as you progressed through the program. Typically, this section (reflection) is about one page.

The portfolio must be submitted electronically to the graduate program chair or faculty advisor as a single pdf document along with a copy of the Record of Evaluation of the MS Tech, Management of Technology Portfolio that includes your name, ASU ID number, submission date and the attempt number. The deadlines for submission are given in the table below:
<table>
<thead>
<tr>
<th>Semester</th>
<th>Submission window</th>
<th>Resubmission (if required)</th>
</tr>
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<tbody>
<tr>
<td>Spring</td>
<td>Within 30 days of graduation</td>
<td>Within 30 days of graduation</td>
</tr>
<tr>
<td>Summer</td>
<td>Within 30 days of graduation</td>
<td>Within 30 days of graduation</td>
</tr>
<tr>
<td>Fall</td>
<td>Within 30 days of graduation</td>
<td>Within 30 days of graduation</td>
</tr>
</tbody>
</table>

The evaluation rubric for the portfolio is given on the Record of Evaluation of MS Tech, Management of Technology Graduate Portfolio form, which is shown on the next page of this document. The portfolio is complete only when all sections reflected on this rubric are deemed satisfactory. The Graduate Program Chair or their representative is responsible for evaluation of the portfolio and will notify you of the result within two weeks of submission of the document. There are four possible outcomes of the evaluation:

1. The portfolio is accepted as submitted.
2. The portfolio is returned to you for minor corrections as specified by the Graduate Program Chair or their representative, followed by resubmission.
3. The portfolio is returned to you for major changes. In this case the Graduate Program Chair or their representative will meet with you and specific instructions will be communicated regarding the steps that will necessary for the portfolio to be accepted.
4. The portfolio is returned without critical evaluation because of errors in spelling, grammar or format.

Completion of the graduate portfolio is formally recognized when the Graduate Program Chair acknowledges the achievement by signing the Record of Evaluation of the MS Tech, Management of Technology Graduate Portfolio form and the signed form is transmitted to the graduate advising office at the Polytechnic campus. Upon receipt of the signed form the graduate advising office will update your records to indicate completion of the culminating experience and eligibility for graduation. If you do not complete the graduate portfolio by the end of the semester in which you complete all other requirements for the degree your degree will not be posted until the program chair signs this form.

**Process for Appeal:** In the event that you disagree with the evaluation of your portfolio, you may request a second evaluation by faculty that were not previously involved in the process. To initiate the appeal process, a formal request for a second review must be submitted via email to the graduate advising office to be reviewed by the Graduate Affairs Committee along with a copy of the same portfolio that was submitted earlier to the graduate program chair. If the Graduate Affairs Committee recommend that it be accepted, the graduate program chair will accept that recommendation. If the Graduate Affairs Committee does not recommend that the
portfolio be accepted, you must modify the portfolio and resubmit it based on the earlier communication from the graduate program chair.
**Record of Evaluation of Management of Technology Graduate Portfolio**

Student Name_______________________________  ASU ID number_________________

Submission Date_____________________________  Attempt Number_________________

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<th>Topic</th>
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<td>Format</td>
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<td>Project 3</td>
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<td>Reflections</td>
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Explanation of Unsatisfactory Marks:

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<tr>
<td>□ FAIL</td>
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<table>
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<tr>
<td>□ PASS</td>
<td>Carolyn Hirata</td>
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<td>□ FAIL</td>
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