

The policies and procedures detailed in this document apply only to students entering the MSIN, MSISTM and MSIT programs in fall 2010 at the Information Networking Institute.

The information provided in this policy guide is intended to summarize the rules of the MSIN, MSISTM and MSIT graduate programs. These policies are subject to change and/or modifications and do not constitute a contract.

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I. INI DEGREE REQUIREMENTS

The following are partial requirements for the MSIN, Integrated MSIN, MSISTM, Integrated MSISTM and MSIT degrees. Please note for all programs, core courses may **not** be waived or substituted.

The full description of the requirements for all programs can be found on the INI Web site at <http://www.ini.cmu.edu/degrees/index.html>.

A. Pittsburgh MSIN Degree Requirements

Each traditional Pittsburgh MSIN candidate must complete 159 units of course work. These 159 units include:

Core courses	72 units
Restricted electives	48 units
Curriculum option	36 units
Research seminar	3 units
TOTAL	159 units

B. Integrated MSIN Degree Requirements

An Integrated MSIN program is an option for Carnegie Mellon undergraduate students in Electrical and Computer Engineering and the School of Computer Science. The graduate course requirements of the Integrated MSIN total 123 units: 48 units of core courses, 36 units of restricted electives, 3 units of seminar, and 36 units of curriculum option. At least 99 out of the 123 units must be taken while the student is in graduate standing.

For the Integrated MSIN, 24 units of Networking & Systems core courses are waived, based on successful completion of 15-410 Operating System Design and Implementation and 18-756 Packet Switching and Computer Networks at the undergraduate level, and 12 units of restricted elective courses are waived, based on the successful completion of 15-410 Operating System Design and Implementation and 18-342 Fundamentals of Embedded Systems at the

undergraduate level. (Note: 18-348 Embedded System Engineering and 18-349 Embedded Real-Time Systems will be accepted as equivalents for 18-342.)

C. Pittsburgh MSISTM Degree Requirements

Each traditional Pittsburgh MSISTM candidate must complete 159 units of course work. These 159 units include:

Core courses	72 units
Restricted electives	48 units
Curriculum option	36 units
Research seminar	3 units
TOTAL	159 units

D. Integrated MSISTM Degree Requirements

An Integrated MSISTM program is an option for Carnegie Mellon undergraduate students in Electrical and Computer Engineering and the School of Computer Science. The graduate course requirements of the Integrated MSISTM total 123 units: 36 units of core courses, 48 units of restricted electives, 3 units of seminar, and 36 units of curriculum option. At least 99 out of the 123 units must be taken while the student is in graduate standing.

For the Integrated MSISTM, 24 units of Networking & Systems core courses are waived, based on successful completion of 15-410 Operating System Design and Implementation and 15-441 Computer Networks at the undergraduate level (or 18-345 Introduction to Telecommunication Networks, which is the undergraduate equivalent of 14-740 Fundamentals of Telecommunications Networks). Also, 12 units of Security core courses are waived, based on successful completion of 18-730 Introduction to Computer Security at the undergraduate level.

E. Pittsburgh-Silicon Valley MSIT (MOB, IS & SM) Degree Requirements

Each Pittsburgh-Silicon Valley MSIT candidate must complete 144 units of course work. Candidates are expected to graduate by the end of the second fall semester. These 144 units include:

Core courses & seminar	60 units
Track courses	36 units
Electives	12 units
Master's practicum	24 units
Internship	12 units
TOTAL	144 units

F. Lisbon MSIT-IS Degree Requirements

Each Lisbon MSIT-IS candidate must complete 144 units of course work. These 144 units include:

Core courses	60 units
Restricted electives	36 units
Free electives	12 units
Master's project	36 units
TOTAL	144 units

G. Seminars

Seminars are required courses for the Pittsburgh MSIN, Integrated MSIN, Pittsburgh MSISTM, Integrated MSISTM and the Pittsburgh-Silicon Valley MSIT graduate degree programs. The seminars may not be waived or substituted.

The Pittsburgh-Silicon Valley MSIT's seminar follows a different structure than the Pittsburgh-based programs, as described below:

1. INI Research Seminar for the MSIN and MSISTM

The INI Research Seminar is a requirement within both the MSIN and MSISTM programs that is held in the first fall and spring semesters upon entering the INI. Students receive 3 units of the 159 required for graduation.

Rules and guidelines must be observed and will be enforced at each seminar by the attending INI staff member. Pittsburgh students should refer to the [Research Seminar](#) document for these rules and guidelines.

2. Graduate Seminar for the Pittsburgh-Silicon Valley MSIT

The MSIT Graduate Seminar is a requirement that is held in the spring and summer semesters of the MSIT program. Students receive 12 units (6 units per semester) of the required 144 for graduation.

H. Electives

All programs require restricted electives. In addition, the Lisbon MSIT curriculum includes free electives, which allow the student to choose any INI or ECE course offered through the University of Lisbon. The Pittsburgh-Silicon Valley MSIT program's track courses are specific to the areas of mobility, information security or software management.

1. Electives for MSIN and MSISTM Students

Restricted electives form the area of a student's specialization. Students have the opportunity to pursue a wide range of electives in which they have a special interest. This portion of the curriculum is composed of 48 units. Of the 48 required units, 12 units must be a course in INI (14-xxx), ECE (18-xxx) or CS (15-xxx) that is numbered 300 or above (Notes: the Integrated MSIN excludes this 12 unit requirement; 15-213, Introduction to Computer Systems, does not satisfy this requirement). The remaining 36 units can be fulfilled by any graduate level courses in Heinz College or the Tepper School or any courses in ECE, EPP, School of CS, Silicon Valley or INI that are numbered 300 or above. 15-213, Introduction to Computer Systems, can only be counted as a general restricted elective if the following requirements are met: a student receives at least a 'B' in 15-213, it is taken as a prerequisite to 15-410: Operating System Design and Implementation and the student receives a letter grade of 'C' or above in 15-410. *Restricted electives may not be taken pass/no pass.*

2. Electives and Track Courses for Pittsburgh-Silicon Valley MSIT Students

For the Pittsburgh-Silicon Valley MSIT programs, students are required to take 36 units of track courses and 12 units of electives. The track courses allow students to specialize their degrees in Mobility (MSIT-MOB), Information Security (MSIT-IS) or Software Management (MSIT-SM), and the elective units give students flexibility and breadth in their coursework. Electives may not be taken pass/no pass.

In the first fall semester, it is recommended that students complete 48 course units towards their degree requirements. This must include any courses for which the student has been preregistered.

In the spring semester, students are required to take the MSIT Graduate Seminar (6 units). In addition, students must take at least 30 units toward their degree requirements.

In the summer semester, students are required to secure an internship (12 units) and take the MSIT Graduate Seminar (6 units). Students also have the option to take one elective course, but are not required to do so.

In the second fall semester, students are required to take the Master’s Project Practicum with on-campus activity (24 units). In addition, students have five options:

- 2 track courses
- 1 track course and 1 elective course
- 1 track course
- 1 elective course
- No additional course, if all other graduation requirements are fulfilled

Students must select track courses from the list of approved track courses:

http://www.ini.cmu.edu/degrees/psv_msit/course_list.html

While in Pittsburgh, students can select elective units from any graduate level courses in Heinz College or the Tepper School or any courses in ECE, EPP, CS or INI. All electives must be numbered 300 or above. Additional Silicon Valley elective courses will be offered in Silicon Valley and taught via videoconferencing to Pittsburgh.

3. Electives for Lisbon MSIT-IS Students

For students enrolled in the Lisbon MSIT-IS program, the 36 units of restricted electives must be selected from the list of approved electives numbered 14-xxx (INI courses) or 18-xxx (ECE courses). Any course offered by INI (14-xxx) or ECE (18-xxx) can be taken as a free elective. *Free electives may be taken pass/no pass.*

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I. Curriculum Option

The INI graduate degree programs allow students to shape their degree according to their interests and career path. Curriculum options, such as a graduate project, course option, and practicum, involve requirements that vary per program. Details on these requirements are provided in this section of the document.

This table outlines the curriculum options available per program:

	1. Project (research- or development-based)	2. Industry-supervised practicum	3. Course option	4. Master's practicum (includes internship)
Pittsburgh MSIN*	X	X	X	
Pittsburgh MSISTM*	X	X	X	
Pittsburgh-Silicon Valley MSIT				X
Lisbon MSIT-IS	X			

***Note:** INI students in the Pittsburgh MSIN and Pittsburgh MSISTM degree programs have the option of choosing a Professional Track or Research Track for the curriculum option.

- Professional Track: Either 1.) a set of courses that will equip students with the knowledge and skills they need to succeed in industry; 2.) a supervised practicum that will provide

students with industry experience while gaining significant knowledge; or 3.) a development-based project that allows students to build up knowledge and skills in delivering successful solutions for industry.

- Research Track: A traditional research/thesis project that will allow students to delve deep into a problem and create a solution for a research-based project, offering them the opportunity to gain significant knowledge and skills in a particular area.

1. Academic Research-Based or Development-Based Project

A MSIN or MSISTM student who selects this option must complete a traditional INI master's project with a Carnegie Mellon faculty advisor and reader. The student may either work with faculty on the faculty member's current research/projects or work on a project devised by the student with the support of his/her advisor and reader. Requirements include:

- Attendance at the INI Research Seminars held in the first fall and spring semesters of the program (not required for MSIT-IS Lisbon)
- Submission of a project proposal two weeks before the last day of the spring Research Seminar. The proposal must be approved by the project advisor and reader and include a scope of work, timeline and deliverables. Please see the Technical Report Guidelines document for more information:
http://www.ini.cmu.edu/ini_files/docs/cur_ThesisTechnicalReportGuidelines.pdf
- Project work completed during the summer and fall of the student's final year; Lisbon MSIT-IS students work full-time in the summer to complete major portions of their projects.
- A project presentation/thesis defense, attended by the student's advisor and reader
- Submission of a final project technical report/thesis, approved by the student's advisor and reader according to the guidelines.

2. MSIN or MSISTM Industry-Supervised Practicum (*Work on these projects may be done on or off campus, depending on arrangements made with the INI.*)

A MSIN or MSISTM student who selects this option will secure a summer internship with an organization (company, research facility or product development group) external to the University and the student's department. The student will be required to work with an external industry supervisor/advisor from the organization who will serve to advise and guide the student's work and an internal faculty advisor, a Carnegie Mellon faculty member, who will approve the project proposal, follow the student's progress, confer with the external industry supervisor/advisor and, in agreement with the external industry supervisor/advisor, submit the student's final grade.

Requirements include:

- Attendance at the INI Research Seminars held in the first fall and spring semesters of the program
- Submission of a project proposal two weeks before the last day of the spring Research Seminar. The proposal must be approved by both the industry supervisor/advisor and faculty advisor and include a scope of work, timeline and deliverables.
- Project work completed during the summer and fall of the student's final year. The project may be an industry internship, research or product development.
- Submission of a progress report at the end of the internship or other work (completed on-site at CMU or at an off-site facility)
- A project presentation, attended by the student's industry supervisor/advisor and faculty advisor
- Submission of a final project technical report, approved by the student's industry supervisor/advisor and faculty advisor

3. Course Option

A MSIN or MSISTM student who selects this option will be required to take courses equivalent to the project units required in their program of study. Courses should make up an area of specialization. Students in Pittsburgh can select from graduate-level courses (numbered 600 and above) in ECE, CS, INI and core curricula of Heinz College (MISM and MSISPM programs) and Tepper School.

This option is recommended for students who may already have work and/or research experience. Students cannot take two courses that cover the same material toward their curriculum option requirements.

The Course Option will entail:

- Attendance at the INI Research Seminars—held in the first fall and spring semesters of the program
- Submission of the curriculum option form at least four weeks before the last day of the first spring semester stating the student's area of concentration and the list of courses he/she plans to take

4. Pittsburgh-Silicon Valley MSIT Internship and Master's Practicum

Students in the Pittsburgh-Silicon Valley MSIT programs must complete the Master's Practicum, which entails a summer internship (12 units) and a practicum in the second fall semester (24 units).

For the summer internship, a student undertakes full-time work with an organization. The purpose of the internship is for the student to apply knowledge in a real-world setting, gain experience in a specific field and create professional contacts. Please note, while the MSIT Internship is a degree requirement, the INI Career Services Office will not secure internships for the Pittsburgh-Silicon Valley MSIT students. Students will receive support from the INI Career Services Office; however, it is ultimately the students' responsibility to secure an internship.

Working with a faculty advisor, a student identifies and accepts an internship relevant to his/her specialization. The faculty advisor must have final approval about the appropriateness of the internship. As much as possible, students should locate internships in the Greater Bay Area, as the MSIT program is heavily integrated with the industry in Silicon Valley. In very rare instances, a student may have an internship outside of the Bay area when an unavoidable and exceptional circumstance presents itself. Students must submit a petition for an internship outside of the Greater Bay Area to be considered.

While the internship does not have a standard meeting time or is considered a "lecture", there are course requirements that must be fulfilled, for which specific details will be provided on the first day of summer class:

- Submission of a project proposal that must be approved and include internship details, an explanation of work, deliverables, the evaluation process, and an expected timetable
- Submission of a short weekly engineering notebook to your faculty advisor
- Submission of a short final report/reflection at the end of the semester

At the end of the internship, a student is assigned a letter grade. Evaluation will be conducted collaboratively by the internship supervisor and the faculty advisor. The final grade is determined by the faculty advisor.

International students: The following rules will apply to Pittsburgh-Silicon Valley MSIT international students undertaking summer internships.

- Pittsburgh-Silicon Valley MSIT students must register for the 12-unit INI MSIT Internship, which does count toward degree requirements.
- The work for the internship must be appropriate to the goals of the academic program
- The student must have the permission of his/her source(s) of funding for the academic year to participate in the internship.
- The INI must approve the student's internship. Without departmental approval, OIE will not process the student for Curricular Practical Training (CPT). The CPT approval is the student's work permit. Internships in foreign countries are not regulated by the INI or OIE and do not require CPT.

For the fall practicum, the overall goal of the course is for the students to apply the skills they have learned in their MSIT coursework to a new instance of a real-world problem while working on a team-based project with an external client. All projects should produce an orderly set of project artifacts, which provide the means for a grade assessment as well as a record of the work. Companies interested in becoming a practicum sponsor must provide a project proposal to the INI Faculty and Administration. The INI Faculty and Administration will choose which companies and projects will be available for fall practicum.

In the event that a practicum sponsoring company requires students to have employment authorization, as a condition of the project, Pittsburgh-Silicon Valley MSIT students may be eligible for Fall CPT under the following conditions:

- The employer must supply a letter or email to the INI Faculty and Administration, at least two to three weeks before the start of the fall semester, affirming the need for employment authorization and the reasons why.
- The need for employment authorization must be a condition of the project.
- Students must receive final approval from the INI Faculty and Administration in order to participate in the practicum. Without departmental approval, OIE will not process the student for CPT.
- Students must work with the INI Foreign Student Coordinator to process the appropriate paperwork for CPT authorization.

J. Independent Study Courses

If there is a special topic that interests a student, and if there are no courses covering the topic in-depth, the student may negotiate an "independent study" course with a faculty member. If the student can find a faculty member who agrees to supervise such a course, the student must submit a petition for advisor's approval and a comprehensive project proposal that includes the following information:

1. Introduction and reasoning

The student describes the topic to be studied and why an independent study is the best way to learn about this particular topic, instead of an existing course offered by Carnegie Mellon. The student must justify counting the independent study towards restricted electives instead of a course that is already offered.

2. What the student will do

The student states specifically what will be accomplished from the project work. Will the student produce a final paper? A presentation? Will the independent study count for 6 units or 12 units? Who will advise the student on the project and why did the student select this faculty member?

3. Evaluation of the student's work

Address two important issues here: (1) how will the student be satisfied that the work is completed, and (2) how will the student and the advisor evaluate how well the student has done?

4. Expected timetable

When does the student expect to be done with the independent study? Are there any milestones that the student will meet along the way?

For independent study, approval will be granted only for topics that are clearly and demonstrably different from a student's master's project topic. Each INI candidate can take up to 12 units of independent study courses. An independent study course cannot be taken on a "pass/no pass" basis. Students may not enroll in independent study courses without prior approval through formal petition or during any semester in which they are on probation.

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K. Internships for MSIN and MSISTM Students

Some INI students may wish to participate in paid internships in off-campus research laboratories or companies during the summer months. Internships undertaken by MSIN and MSISTM students are generally not a curricular requirement and may not interfere with or otherwise impact coursework required to complete the degree program. An exception to this is the Industry-Supervised Practicum.

International students: The following rules will apply to MSIN and MSISTM international students undertaking summer internships.

- MSIN and MSISTM students must register for the 3-unit INI internship course, which does not count towards degree requirements, in order for the internship to be documented on the student's transcripts
- The work for the internship must be appropriate to the goals of the academic program
- The student must have the permission of his/her source(s) of funding for the academic year to participate in the internship.
- The INI must approve the student's internship. Without departmental approval, OIE will not process the student for Curricular Practical Training (CPT). The CPT approval is the student's work permit. Internships in foreign countries are not regulated by the INI or OIE and do not require CPT.

International students undertaking a summer internship, in some cases, may be approved for a limited CPT extension into the second fall semester under the following conditions:

1. CPT obtained for a summer internship will only be considered for extension into the (second) fall semester if the internship is the basis of the student's Industry-Supervised Practicum meeting all the requirements governing that option. The student must submit the project proposal for the practicum as a curriculum option at the end of the spring semester.

Note: Students pursuing a summer internship may be allowed to change their curriculum option to the Industry-Supervised Practicum if a petition to do so is submitted no later than June 30, and therefore may be eligible for CPT extension. The Petition must include all documents stipulated under the practicum option addressed in Section 2.

2. The employer must supply a letter or e-mail affirming the extension request, two to three weeks prior to the end date of the original CPT approval.

3. A revised project proposal, approved by the industry supervisor/advisor and the faculty advisor must be submitted at the time of the extension request including an updated timeline specifying the date of completion of the project work.

4. The work must be completed in Pittsburgh or, in special cases, Silicon Valley. The student must be in close proximity to either campus because the student is required to take classes as well.
5. The student is permitted to work, on a part-time basis, up to 20 hours maximum per week.
6. The student must be registered for at least 36 units: 24 units of required courses as well as 12 units indicating that the student has continued his/her Industry-Supervised Practicum.
7. The work will only last for a portion or all of the fall semester. (CPT is not permitted in the student's final semester.)
8. The extension must be for the same project the student identified in the internship offer letter, and cannot constitute a new project. A new project will only be approved through a petition submitted by June 30. The petition must include a new offer letter and a new or revised project proposal.

Students generally will be approved for a short-term CPT extension until the "Add" deadline in the second fall semester (typically, the 10th day of class). The extension request must be submitted by the employer to the INI Foreign Student Coordinator or Manager of Enrollment Services by letter or e-mail at least two to three weeks prior to the end date of the original CPT approval. The extension would be for an on-going project the student has been assigned to and wishes to finish before the internship ends.

Students who want to continue an internship project into the fall, but do not want to declare the project as an Industry-Supervised Practicum, may extend their internship under the following conditions.

1. The student must apply for Pre-Completion Optional Practical Training (OPT). Pre-Completion OPT takes 6-8 weeks to process. Therefore, it is the student's responsibility to notify INI of their intentions by June 30.
2. The work must be completed on-campus in Pittsburgh, on a part-time basis only. Students are permitted to work up to 20 hours maximum per week.
3. The work may not impact the student's progression toward completion of their degree. The student must be registered for at least 36 units of required courses. Courses required for satisfaction of degree requirements cannot be delayed until spring to accommodate an internship work schedule. If the student can graduate in fall, required courses cannot be deferred until the spring to accommodate an internship work schedule.

Please keep in mind that all extensions must be approved by the INI first. All CPT and OPT documents require processing by the INI Foreign Student Coordinator who will obtain the necessary staff signatures. OIE will only process documents that have been approved by the department. It is imperative that students notify the INI Foreign Student Coordinator and the Manager of Enrollment Services of their intentions promptly and follow all guidelines for obtaining extensions, modifying the curriculum option, and/or submitting documents requiring department approval. Failure to do so may result in denial of submitted requests.

For general rules governing CPT/OPT see the following website,
<http://www.studentaffairs.cmu.edu/oie/forstu/jobs.html>

Internships for the Pittsburgh-Silicon Valley MSIT degree program are required as part of the Master's Practicum. Policies and procedures for these internships are described under the Curriculum Option section.

L. Exchange Program

The Information Networking Institute (INI) Exchange Program offers second-year students enrolled in INI degree programs at remote partner institutions the opportunity to take courses and/or work on their thesis in Pittsburgh for one to two semesters.

The number of exchange students will vary each year and will be determined jointly by the INI Director and by remote administration based on capacity and number of students in each program.

Exchange students are subject to any course fees in connection to courses in which they enroll during their time in Pittsburgh. Exchange students are also subject to all university fees (activity fee, technology fee, Port Authority fee, health insurance fee, etc.) that are applied to Carnegie Mellon students. The INI is not able to waive these fees.

For Exchange Program details about requirements, process, enrollment, visa requirements, benefits, expenses and housing, please refer to the [INI Exchange Program Policies](#).

M. Academic Performance

1. Grade Point Average

In order to graduate, each student must have a grade point average (GPA) of at least 3.0 in:

- Core GPA (average of all core required courses)
- Cumulative GPA (average of all units taken)

Course work or graduate project units with a grade lower than C will not be considered toward graduate degree requirements; however, they will be calculated into the student's cumulative GPA.

2. Academic Standing

Good academic standing is defined by having a core GPA and cumulative GPA of at least 3.0 or above. A student will be put on probation for a GPA lower than 3.0 in the most recently completed semester but will remain in good academic standing if core and cumulative GPAs meet the minimum requirement. A student can be in good academic standing and on probation at the same time due to incidents unrelated to their academic performance.

3. Academic Probation for Poor Performance

At the end of each semester, after final grades have been posted, the academic performance of each student is reviewed. GPA for academic review is computed based on the aforementioned guidelines for graduation requirements (see section K-1).

Any student with a core GPA of less than 3.0, with a cumulative GPA of less than 3.0, or with a GPA of less than 3.0 in the most recent full semester completed, is immediately placed on academic probation and will be subject to the following penalties:

- will have any scholarships and/or financial awards from the INI rescinded for the upcoming semester
- cannot be selected to receive awards, fellowships or scholarships

- may not formally represent the INI as an officer or other position in a student club or campus organization.

A student on academic probation will automatically be removed from probation during the next academic review if the student's semester, core and cumulative GPAs, at that time, are 3.0 or better. If removed from probation, the student's scholarship or financial award will be reinstated for the future semesters; however, the amount that was rescinded will not be reapplied to the student's account.

If an INI student has a core or cumulative GPA lower than 3.0 at the end of two consecutive full semesters, the student may be permanently dropped from the INI program, subject to the decision of the INI Director. If this occurs, the student will have an opportunity to appeal the expulsion decision to the provost. Unless the decision is overturned, the student is not entitled to a refund of tuition or student fees.

N. Degree Requirements Timeframe

The MSIN, MSISTM, and MSIT are typically 16-month programs, and students are expected to finish all of their requirements by the end of the fall term of their second academic year at Carnegie Mellon.

However, in some cases, an MSIN or MSISTM student may need more time to finish his/her degree requirements and the program can then be extended to 20 months. In such an instance, the student must submit a formal petition, after which he/she may be granted one semester of extension and allowed to register for the units needed to fulfill program requirements, without any additional tuition. The student will be allowed to take courses toward their remaining degree requirements and additional units, up to 36 units total, without being charged additional tuition. Extension beyond the normal 16-month timeframe for the programs is not automatic; the student must submit a formal petition for such an extension. International students must consult with INI's foreign student coordinator and OIE for permission to extend and to ensure that they will maintain legal status.

Pittsburgh-Silicon Valley MSIT students are not offered the option of taking courses in the second spring term. They will be charged additional tuition for courses taken after their second fall term, which may occur if a student does not meet the graduation requirements when expected, such as when the student has failed to complete enough courses or the student is required to retake a course or take additional courses.

Students who must retake a course, regardless of the semester, will be charged additional tuition. All units required for a masters degree in the College of Engineering, whether earned in residence or transferred from another institution, must be recorded on the transcript within six years of the date on which the student enrolled in the program. This statutory period can be extended by the CIT Associate Dean for Academic Affairs for special circumstances that do not make it possible for the student to complete the requirements within the statutory period. Any request for a waiver of the statute of limitations for master's degree studies must be approved by the head of the department or program offering the master's degree, and by the CIT Associate Dean for Academic Affairs. The waiver request must explain the exceptional circumstances that warrant an extension. For cases in which a waiver is granted, the waiver will cover specific courses and will specify a time period for completion of the program.

Students must be physically present and attend class at the start of the semester. If a student has extenuating circumstances that do not permit him or her to attend class from the start of the semester, he or she must notify their academic advisor immediately for approval to do so. Not attending class from the start of the semester will have a detrimental effect on his or her progress in the program. The INI will make an effort to verify they have arrived to begin their program and

will consider a student as ‘Withdrawn from the university’ if he or she is not here by the 10th day of class.

O. Certification of Degree

In order to be certified for graduation, students must complete all requirements in their approved curriculum and be recommended for the INI degree by the Director.

No student may receive a degree until all financial obligations to the University have been met and all academic requirements have been completed.

INI will try in every possible way to help students successfully complete their programs of study. However, it is the student's responsibility to ensure that all of the program requirements have been fulfilled. The INI's failure to provide notice to a student that a requirement has not been met is not an acceptable excuse for not meeting the degree requirements.

P. Program Transfer

A student wishing to transfer from one INI program to another must submit a formal petition stating the reasons for transfer. Such requests are reviewed on a case-by-case basis and are subject to the approval of and conditions set forth by the INI Director. MSIN and MSISTM program transfer requests should be made early in order to fulfill the appropriate sequence of courses and satisfy degree requirements accordingly. Transfers occurring later in the program could result in a longer program duration and tuition ramifications.

Q. Program Location Transfer

Admissions to the program locations are handled independently of each other. A student wishing to transfer from one program location to another must formally apply to the other location. Program location transfers are not guaranteed and are reviewed on a case-by-case basis, subject to the admissions committee at each program location.

Financial aid and scholarships are awarded for a particular program location and cannot be transferred.

R. Deferral Policy

The INI does not allow admission deferrals. Each year applicants are reviewed and ranked with the current applicant pool. Students are accepted for admission into the program for a particular academic year and may not defer admission.

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II. COURSE ENROLLMENT

A. Registration

In the first fall semester, students primarily take core courses. However, not all schedules for INI courses are final when enrollment begins, so students should be prepared to drop restricted or free elective courses that conflict with core courses. A core course may not be dropped in favor of an elective. Students are required to complete their core courses within the timeframe provided in the curriculum.

B. Course Load

There is a 50-unit maximum, including research and seminar units, course load per semester, except for the MSIT programs, which have a 48-unit maximum. All INI students must register for a minimum of 36 units each semester, although it is not possible to finish the program in 16 months at 36 units per semester. Students generally take 36-48 units per semester. Students wishing to take fewer than 36 units or greater than 50 units in a semester must submit a petition. If a student exceeds their maximum course load without an approved petition, a course (or courses) will be

dropped from the student's schedule at random.

Students are typically waitlisted for elective courses at the beginning of the semester, which sometimes results in a course load greater than 50 units. Before add/drop, usually the 10th day of class, INI students should have their semester schedule finalized. Students should attend courses, for which they have been waitlisted, until their final course schedule has been determined so that required work is not missed. It is imperative that students drop the courses they will not pursue by the drop deadline (Heinz and Tepper have their own drop deadlines) or else receive a 'W' grade on their transcript.

Students cannot register for project units without first submitting an approved project proposal.

C. Special Considerations for Foreign Students

United States federal law requires each foreign student to maintain status as a "full-time student." At Carnegie Mellon this is defined as a student who carries at least 36 units in a (full) semester. The student visa (and, therefore, permit of stay) becomes null and void if a student is not registered for at least 36 units during a semester.

If an international student receives permission from the INI to extend the duration of his or her study into a second spring semester and will be registered for less than 36 units, he or she must submit a 'Reduced Course Load' form to Carnegie Mellon's Office of International Education (OIE) for approval in order to maintain legal status.

D. Transfer of Credits

Up to 24 units of courses taken at another university, whether taken before or after entering the INI graduate program, may be transferred and count as electives providing:

- a) they fulfill an INI graduate program requirement;
- b) they are graduate-level courses at the university where they were taken; and
- c) they have not been used to fulfill requirements for any previously earned degree.

A grade of "B" or better must be earned for the courses transferred. All transfer credits must be approved by the INI, which will determine how the transferred credits will be reflected in the student's degree requirements.

Such transfer credit is not granted prior to admission to the graduate program and must be approved by the department after the student has satisfactorily completed at least 36 units of graduate courses at Carnegie Mellon.

Students should submit a petition along with an official transcript and detailed course description to the Manager of Enrollment Services. The student's advisor must approve the petition as well as the Dean's Office. The INI, not the student, will forward the appropriate information to the Dean's Office for approval.

E. Retaking of Courses

Students who do not receive a minimum 3.0 core GPA must retake one or more courses in which they received lower than a B in order to increase their core GPA to 3.0 or above. Both the original grade and new grade will be recorded on the transcript and factored into the cumulative GPA computation; however, only the retake grade will be factored into the core GPA computation for graduation requirements, if the course is indeed a core course.

Students may also have to retake a prerequisite course in which he or she did not receive the minimum grade required to take the subsequent course.

Students may also want to sit in on a course he or she has already taken for the purpose of gaining additional knowledge of the material. Credit is not granted for retaking a course in this situation.

Any student who retakes a course will be required to pay the tuition fees assessed for the repeated course. No exceptions.

F. Auditing a Course

Auditing is presence in a classroom without receiving academic credit or a letter grade. The extent of your participation must be arranged and approved by the course instructor. The units of audited courses count toward the maximum course load units per semester but do not count towards the degree requirements. Students may only audit one course per semester.

Any full-time student may audit a course. If a part-time student audits a course, he/she will be charged part-time tuition for the course.

Typically, auditors are expected to attend class as though they are regular class members. Formal auditors, who do not attend the class regularly or prepare themselves for class, will receive a failing grade (i.e., "D" or "R"). Otherwise, the student receives the grade of "O," indicating audit.

A student who wants to audit a course is required to register for the course, obtain permission from the instructor and ask the instructor to sign the Course Audit Approval form. Then, the student must submit the form to the INI Enrollment Services Office for approval from the student's academic advisor and the INI Director. If approved, the INI Enrollment Services Office will send the form to The HUB for processing. The "Course Audit Approval" form, as well as all other HUB forms, are available at: <http://www.cmu.edu/hub/forms.html>.

Once a "Course Audit Approval" form is submitted to The HUB, a letter grade (A-D) will not be assigned for the course and the declaration cannot be reversed.

G. Taking a Course Pass/No Pass

A student who wants to take a course pass/no pass is required to register for the course and submit the Pass/No Pass Approval Form to the INI Enrollment Services Office for approval from the student's academic advisor and the INI Director. If approved, the INI Enrollment Services Office will send the form to The HUB for processing. The Pass/No Pass Approval Form, as well as all other HUB forms, are available at: <http://www.cmu.edu/hub/forms.html>.

Once a Pass/No Pass Approval Form is submitted to The HUB, a letter grade (A-R) will not be assigned for the course and the declaration cannot be reversed. Passing work will receive credit for units passed and be recorded as P on the student's academic record; work with a grade lower than C will not receive credit and will be recorded as N on the student's academic record. No quality points will be assigned to P or N units; P or N units will not be factored into the student's GPA.

The units of pass/no pass courses count toward the maximum course load units per semester but do not count towards the degree requirements. Students may only declare one course as pass/no pass per semester.

Any full-time student may take a course pass/no pass. If a part-time student audits a course, he/she will be charged part-time tuition for the course.

H. Courses with Restricted Enrollment

A faculty member may set a limit on the number of students permitted to enroll in a course he/she

is teaching. If the number of pre-registered students for a course exceeds the class size, as specified by the instructor of the course, all other students will be put on a waiting list.

I. Course Sequence

If a core course or an elective course has a pre-requisite requirement, then, students must take the pre-requisite course *prior* (not even simultaneously) to taking the core course or elective. Students are not allowed to take two courses that have similar contents. Students should not take an introductory course on a topic after he/she has taken a more advanced course (unless the student needs to retake the course to improve his/her GPA or core GPA). For example:

- A student who has already taken 18-756: Packet Switching and Computer Networks should not take the following courses after the fact:
 - 14-740: Fundamentals of Telecommunications and Computer Networks OR,
 - 18-345: Introduction to Telecommunication Networks

This is just one example. It is the student's responsibility to ensure that he/she follows the proper course sequence and does not take two courses that have similar content (see next section for specific information). When in doubt, students should consult with their advisor.

J. Overlapping Courses

The INI discourages students from enrolling in courses that have overlapping topics to the extent that students will not receive credit towards degree requirements for the redundant course(s); however, every course taken will be factored into a student's cumulative GPA.

Specifically, the INI sets the following list of exclusions:

- The following **security** courses are considered to be overlapping:
 - 14-741 Introduction to Information Security
 - 15-349 Introduction to Computer and Network Security
 - 18-630 Introduction to Security and Policy
 - 18-730 Introduction to Computer Security
 - 95-753 Internet Security
 - Or, any of their cross-listed versions
- The following **security** courses are considered to be overlapping:
 - 90-802 Information Security: A Comparison of American, European, and Asian Policies
 - 95-841 Information Assurance Policy
 - Or, any of their cross-listed versions
- The following **security** courses are considered to be overlapping:
 - 18-733 Applied Cryptography
 - 95-804 Applied Cryptography (INI students should not take this course)
 - Or, any of their cross-listed versions
- The following **security** courses are considered to be overlapping:
 - 95-759 Terrorism, Security and Intelligence
 - 95-803 Information Warfare (INI students should take the 12 unit version of this course if it is offered)
 - Or, any of their cross-listed versions
- The following **security** courses are considered to be overlapping with 95-818 Privacy, Policy Law and Technology:
 - 95-762 Privacy in the Digital Age
 - 95-763 Privacy and Confidentiality: Models and Implementations
 - Or, any of their cross-listed versions

- The following **security** courses are considered to be overlapping with 95-769 Network Security Analysis and should be taken instead of 95-769:
 - 14-761 Applied Information Assurance
 - 18-731 Network Security
 - Any of the forensics courses offered by the INI
 - Or, any of their cross-listed versions
- The following **security** courses are considered to be overlapping with 95-855 Network Situational Awareness:
 - 14-761 Applied Information Assurance
 - 95-769 Network Security Analysis
- The following **security** courses are considered to be overlapping with 95-856:Hacking Exposed and 95-857 Incident Response and should be taken instead of 95-856 and/or 95-857:
 - 14-761:Applied Information Assurance
 - Any of the forensics courses offered by the INI
- The following **security** course are considered to be overlapping:
 - 14-811 Special Topics: Human Factors in Security
 - 08-734 Usable Privacy and Security
 - Or, any of their cross-listed versions
- The following **telecommunications** courses are considered to be overlapping:
 - 14-740 Fundamentals of Telecommunications and Computer Networks
 - 18-345 Introduction to Telecommunication Networks
 - Or, any of their cross-listed versions
- The following **programming** course are considered to be overlapping:
 - 15-600 Java and J2EE Programming (MSIT students should take this course as opposed to 15-637)
 - 15-637 Web Application Development (MSISTM & MSIN students should take this course as opposed to 15-600)

The above list is not exhaustive. It is the responsibility of the student to avoid taking courses with topics that overlap with **any** other courses on their schedule, or else risk losing credit for the redundant course(s). If a student has doubts over which courses are considered overlapping, (s)he should speak with his/her academic advisor.

K. Consideration of Courses within Degree Requirements

Courses taken will be considered within the degree requirements in this order: first, as a core course, if not applicable, then as a course option course, if not applicable, then as a restricted elective, if not applicable, then as an extra course that does not count towards degree requirements.

Course substitution within the degree requirements is permissible, but a student must submit a petition to his or her academic advisor for approval. The substitution will not occur until after the substitute course is completed and a grade is recorded for it.

For example, if an MSIN student decides to take 15-415: Database Applications to fulfill the Database Requirement of the core curriculum and receives an unfavorable grade, he or she may petition to substitute 15-415 with 95-704: Advanced Database Management. The substitution of 15-415 with 95-704 will not occur until 95-704 is completed and a grade is recorded for it. Therefore, 15-415 will continue to be considered in the core curriculum until the substitution can be made. Please note that both courses will be factored into the student's cumulative GPA.

Students may meet with the manager of enrollment services to review how their courses have been applied to their degree requirements.

L. Final Exam Policy

INI students must attend final exams as determined by individual course instructors. If a student believes that a final exam presents a conflict to their schedule, he or she must discuss the issue with their course instructor. The INI administration does not have control over the university exam schedule.

Please keep this policy in mind when arranging travel at the end of a semester; purchased airline tickets are not a proper excuse for missing a final exam.

M. Non-INI Students

INI students receive priority when enrolling in INI courses. Non-INI graduate students may be enrolled in these courses if space is available. Undergraduate students may not be admitted without written consent of the course instructor.

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III. REGISTRATION PROCEDURES

The University reserves the right to withdraw any announced course if the enrollment is too small to warrant its continuance. The University also reserves the right to make changes in the schedule of hours, units, or instructional staff when such changes seem necessary or advisable. The dates for pre-registration and enrollment are listed in the official University calendar and in the Heinz or Tepper calendars.

Each student must register for each course he/she takes, whether it is for credit or not. Any student whose name is not on the class roster on the first day of class for that course may be denied admission to the classroom. Students are responsible for knowing the University deadlines for adding and dropping courses. These dates can be found on the online academic calendar at <http://www.cmu.edu/hub/calendar.html>

Heinz College and the Tepper School of Business administer modified versions of the University calendar. Students must adhere to the deadlines set forth by Heinz College and/or the Tepper School of Business if taking classes at either school.

The Heinz College's academic calendar can be found at:
<http://www.heinz.cmu.edu/academic-resources/academic-calendar/index.aspx>

The Tepper School of Business' academic calendar can be found at:
<http://www.tepper.cmu.edu/current-students/current-graduate-students/academic-information/academic-calendar-ay-2009-2010/index.aspx>

The INI office will make an effort to post these dates at the beginning of every semester.

A. Student IDs

A Carnegie Mellon ID card serves to identify a student as a member of the Carnegie Mellon community. The card is used for entrance to some Carnegie Mellon buildings, admission to athletic events, to gain access to facilities on campus, such as the gym and swimming pool, for admission to certain events sponsored by the Student Government, for student elections, etc.

Students should produce this card upon the request of any school official or security officer. Refusal to do so may be regarded as a basis for disciplinary action.

Student identification cards are made and distributed by the Card Office, located in the basement of Warner Hall. There is a \$25.00 fee to replace a lost ID card.

B. Registration and Enrollment

For fall and summer semester courses, registration is in April; registration for spring semester courses is in November.

A student will not be eligible to enroll for an upcoming semester unless his/her student account has a \$0 balance.

C. Adding/Dropping Courses

Students may add and drop courses online at <http://www.cmu.edu/hub> by clicking “On-Line Registration” and entering an Andrew user id and password. All requests to add must be completed no later than the “Add” deadline given in the academic calendar. Check the academic calendar for the deadlines for dropping courses.

The INI adheres to the Carnegie Mellon academic calendar and enrollment deadlines. Heinz College and the Tepper School of Business institute their own set of deadlines, to which you must adhere if you are taking a course there. Specifically, Heinz College will not allow a student to make changes, such as add, drop or switch sections, after the 10th day of class. If a student drops a Heinz course after the 10th day, he or she will receive a ‘W’ on their transcript. Tepper has similar policies as well.

For more information about Heinz College’s policies, please visit:

<http://www.heinz.cmu.edu/academic-resources/student-handbook-forms/index.aspx>

For more information about the Tepper School of Business’ policies, please visit:

<http://www.tepper.cmu.edu/current-students/current-graduate-students/academic-information/index.aspx>

All section changes require "adding" the new section and "dropping" the old.

All decisions to add or drop courses that fulfill core course requirements must be approved by the student’s academic advisor.

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IV. GRADES

The INI will not release any student records to an unauthorized party. No grades will be released to any student over the telephone or via email.

A. Course Marks

Grade	Quality Points	Description
A	4.00	
A-	3.67	
B+	3.33	
B	3.00	
B-	2.67	
C+	2.33	
C	2.00	
C-	1.67	
D+	1.33	(not applicable to TPR, HSS, HNZ graduate students)

D	1.00	(not applicable to TPR, HSS, HNZ graduate students)
R	0.00	Failure
X	0.00	Conditional Failure
S	Non-factorable units	Satisfactory
P	Non-factorable units	Passing
N	Non-factorable units	No Credit
O	Non-factorable units	Audit
W	Non-factorable units	Withdrawal
I	Non-factorable units	Incomplete
AD	Credit granted for work completed at another institution or examination credit	

The student earns credit for a course only if the course is registered for and completed.

If a student fails to drop a course by the "Drop" deadline, a grade of "W" will be given. It is the responsibility of the student to make sure that registration for all courses is complete. No course credit can be given and no grades can be processed if the student has not actually registered for the course, even if the course has been completed.

Course or graduate project units with a grade lower than C will not be considered towards degree requirements; however, they will be factored into the student's cumulative GPA.

B. Incompletes

Carnegie Mellon students are expected to complete a course during the academic semester in which the course was taken. However, if the instructor agrees, a grade of I (incomplete) may be given when a student, for reasons beyond his or her control, has been unable to complete the work of a course, but the work completed to date is of passing quality and the grade of incomplete provides no undue advantage to that student over other students.

In awarding an 'I' grade, an instructor must specify the requirements for completing the work and designate a default letter grade where no further work is submitted. Students must complete the required course work no later than the end of the following academic semester, or sooner if required by prior agreement. The instructor must record the permanent grade by the last day of the examination period of that following semester, or Enrollment Services will administratively assign the default grade.

This policy also applies to the INI master's projects (e.g., theses, technical reports, industry practicums and practicums).

C. Transcripts and Enrollment Verifications

Official transcripts and documents verifying a student's enrollment are issued only by The HUB. INI cannot produce and/or distribute official transcripts or verification letters. Such requests must be sent to The HUB and are typically processed in three days for a nominal fee. Forms for request are available on the HUB Website at <http://www.cmu.edu/hub/transcripts/index.html>

D. Distribution of Grade Reports

Students can view their academic performance history and current grade reports on SIO. Carnegie Mellon does not mail copies of grade reports unless it is specifically requested by the student.

Class rankings are not released to anyone, including students.

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V. UNIVERSITY ACADEMIC POLICIES

A. Leave of Absence/Withdrawal

Students wishing to withdraw or take a leave of absence must complete a 'Withdrawal' Form or 'Leave of Absence' Form, available from the HUB. Further information about the leave policies of the University can be found at the following website:

<http://www.cmu.edu/policies/documents/StLeave.html>

"Leave of Absence" means leaving the University temporarily, with the firm and stated intention to return.

"Withdrawal" means leaving the University with no intention to return.

"Withdrawals" or "Leaves" taken while school is in session (through the last day of classes) result in "no academic penalty" for the student - i.e., no permanent grades are recorded for courses taken during that semester or session. Withdrawals or Leaves after the last day of classes of a semester result in the recording of permanent grades for that semester or session. Withdrawals or leaves before the last day of classes, but after the "Add/Drop" deadline, will receive the designation "W" (indicating "withdrawal") for the courses carried at the time. After the last day of class, courses cannot be removed from a student's transcript.

1. Withdrawal/Tuition Refund Policy

Withdrawal from the INI program is initiated by submitting the 'Withdrawal' form available through the Hub. The HUB will determine if a student should receive a tuition refund as this is governed by Carnegie Mellon University's policies not INI's. Additional information, as well as the tuition adjustment schedules, can be found at the following website:

<http://www.cmu.edu/hub/tuition/adjustment.html>

2. Returning to Carnegie Mellon

When a student plans to return to Carnegie Mellon after a leave, he/she must complete an 'Application for Return from a Leave of Absence' Form (available from the HUB) and meet any conditions that were set by the INI at the time the leave was granted.

3. Required Withdrawal

The INI or the University may require a student with serious health problems, including mental health problems, or students whose use of drugs is potentially self-destructive in the psychiatric sense to withdraw from the University until the problems have been resolved through appropriate treatment. Such a withdrawal will be required only after a thorough case review by a committee consisting of the Dean of Student Affairs, the INI Director, and such medical, psychological, or psychiatric consultation as is necessary.

B. Withdrawal of a Degree

The University reserves the right to withdraw a degree, even though it has been granted, should it be discovered that the work upon which it was based or the academic records in support of it were falsified. In such a case, the degree will be withdrawn immediately.

C. Academic Integrity

Students at Carnegie Mellon are engaged in preparation for professional activity of the highest standards. Each profession constrains its members with both ethical responsibilities and disciplinary limits. To assure the validity of the learning experience a university establishes clear standards for student work.

In any presentation, creative, artistic, or research, it is the ethical responsibility of each student to identify the conceptual sources of the work submitted. Failure to do so is dishonest and is the

basis for a charge of cheating or plagiarism, which is subject to disciplinary action. The INI adheres to the university's 'Policy on Cheating and Plagiarism'. The complete policy can be found here:

<http://www.cmu.edu/policies/documents/Cheating.html>

1. Penalties for Violating Academic Integrity

The INI adheres to the 'CIT Policy on Graduate Student Academic Integrity Violations'. The complete policy can be found here:

http://www.cit.cmu.edu/current_students/graduates/policies_academic_integrity.html

In addition, the INI imposes specific penalties to INI students who have committed an academic integrity violation. Upon the first academic integrity violation, in addition to the course-level action imposed by the instructor, the student will be placed on academic probation for the remainder of the INI program and will be subject to the following penalties:

- will have any scholarships and/or financial awards rescinded including those received in previous semesters
- cannot be selected to receive awards, fellowships or scholarships for the duration of the INI program
- may not formally represent INI as an officer or other position in a student club or campus organization.

In accordance with the university's policy, a student who violates the academic integrity policy will not be permitted to drop the course in which the offense occurred in order to avoid penalty. If the student attempts to drop the course, he/she will be re-enrolled. If the student retakes the course or an equivalent course to fulfill a program requirement or prerequisite, he/she will be charged additional tuition.

In extreme cases where a first violation is particularly deplorable as determined by the INI Director, a student may be permanently dropped from the INI. Upon second academic integrity violation, the student **will be** permanently dropped from the university.

In accordance with Carnegie Mellon University policy, students who want to appeal an academic disciplinary action must state in writing to the provost their intention to do so within one week of the penalty date in question, and then must submit their written appeal to the provost no later than two weeks after said penalty. Appeals must be in writing, with appropriate documentation.

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VI. TUITION

A. Full-time Students

The MSIN, MSISTM, and MSIT are typically 16-month programs, and students are expected to finish all of their requirements by the end of the fall term of their second academic year at Carnegie Mellon.

However, in some cases, an MSIN or MSISTM student may need more time to finish his/her degree requirements and the program can then be extended to 20 months. In such an instance, the student must submit a formal petition, after which he/she may be granted one semester of extension and allowed to register for the units needed to fulfill program requirements, without any additional tuition. The student will be allowed to take courses toward their remaining degree requirements and additional units, up to 36 units total, without being charged additional tuition. Extension beyond the normal 16-month timeframe for the programs is not automatic; the student must submit a formal petition for such an extension. International students must consult with INI's

foreign student coordinator and OIE for permission to extend and to ensure they will maintain legal status.

Pittsburgh-Silicon Valley MSIT students are not offered the option of taking courses in the second spring term. If a Pittsburgh-Silicon Valley MSIT student does not meet the graduation requirements when expected, such as when the student has failed to complete enough courses or the student is required to retake a course or take additional courses, additional tuition will be charged for the courses that are completed after the second fall term.

Any student who must retake a course, regardless of the semester, will be charged additional tuition.

B. Part-time Students

A part-time student will pay per unit, but will not pay less than the full tuition rate at the time he/she entered the program. Arranging to pay per unit is a convenience and not intended to reduce the overall tuition rate of the program.

For fall 2010, incoming students who have negotiated part-time study, part-time tuition of \$510 per unit will be charged during any semester in which the student is carrying fewer than 36 units. Students studying part-time will be charged the part-time rate under which they entered the program (i.e., \$510 for AY 2010-11 incoming students) for a period of 24 months from their first semester. After that time they will be charged at the new designated part-time tuition rate.

C. Tuition Payments

In most cases, tuition is billed in four payments. These payments are due prior to the fall, spring, summer and second fall semesters. Tuition payments are due by the date posted on the tuition invoice, typically one week before the start of classes. If a student does not pay tuition when it is due, a \$150 late fee will be posted to the student account and a 1.5% penalty charge will be added each month until the balance is paid in full. The third tuition installment is charged during the summer even if the student is not registered for summer courses.

D. Students with Delinquent Accounts

INI students should be aware of the Carnegie Mellon policy regarding students with outstanding tuition balances, which is stated as follows:

“If you do not pay your account balance in full, you will not be permitted to register for future semesters. In addition, you will not receive grades, transcripts, or diplomas. Your account balance consists of everything that appears on your bill, including tuition and fees, housing and dining charges, housing security deposit, library and parking fines, emergency loans, and so on.”

E. Carnegie Mellon’s Tuition Refund Policy

Students who withdraw or take a leave of absence before completing 60% of the semester will be charged tuition based on the number of days completed within the semester. This includes calendar days, class and non-class days, from the first day of classes to the last day of final exams. Breaks which last five days or longer, including the preceding and subsequent weekends, are not counted. Thanksgiving and Spring Break are not counted. There is no tuition adjustment after 60% of the semester is completed. No tuition is charged to a student who is administratively withdrawn. Please refer to the HUB’s website for additional info:

<http://www.cmu.edu/hub/tuition/adjustment.html>

The student activity fee of \$94 is not refundable, and there is an administrative fee on all non-100% tuition and fees refunds.

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VII. OTHER UNIVERSITY POLICIES

INI students are expected to understand and obey the rules that apply to all Carnegie Mellon students. All INI students will be expected to sign a statement acknowledging an understanding of, and planned adherence to, these policies.

All University policies are available at: <http://www.cmu.edu/policies/>

A. University Grievance Procedures and Contacts

Graduate students are encouraged to discuss any concerns or grievances informally within their academic department. If a student is not satisfied with the results of informal discussion or formal appeal at the departmental level, he/she may follow the guidelines set forth in the Graduate Student Guidebook. Students are likewise encouraged to speak directly to their graduate student representatives and to the president of the Graduate Student Assembly (GSA).

B. Policy on Student Privacy Rights

Under the Family Educational Rights and Privacy Act (FERPA), a student has the right to:

- Inspect and review his/her education records
- Request an amendment to his/her education records if the student believes they are inaccurate or misleading
- Request a hearing if his/her request for an amendment is not resolved to his/her satisfaction
- Consent to disclosure of personally identifiable information from his/her education records, except to the extent that FERPA authorizes disclosure without his/her consent
- File a complaint with the U.S. Department of Education Family Policy Compliance Office if he/she believes his/her rights under FERPA have been violated

The full policy on student privacy rights is available at <http://www.cmu.edu/policies/documents/StPrivacy.html>

C. Intellectual Property

Carnegie Mellon's policy on intellectual property is described at length at: <http://www.cmu.edu/policies/documents/IntellProp.html>

D. Computing Policies

Unauthorized use of a computer to copy or use software, text, or data; tampering in any way with software, text, or data; disruptive or other inappropriate uses of computers; and using the University's computing resources for personal gain (e.g., non-University related business or resale of software) are against federal statute and University rules and policies. Abuses of computing privileges will be referred to the INI Director and, if necessary, to the legal authorities.

Carnegie Mellon's policy on computing is described at length at: <http://www.cmu.edu/policies/documents/Computing.htm>

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VIII. INI NON-ACADEMIC POLICIES

Note: INI will be transitioning from ECE support to in-house support during the fall 2010 semester. These systems policies will be reviewed and are likely to change.

A. INI Systems Policies

Computing support in the INI is provided by ECE Computing. In general, you should address all requests, problems, or questions regarding the INI's computing environment to: help@ece.cmu.edu

By doing so, an email will be sent to ECE's trouble ticket system. Your email will be placed in a queue actively monitored by ECE staff. Using help@ece ensures that your request will get a timely and effective response.

The goal of the INI's computing policies is to provide you with a complete, safe, robust and reliable computing environment. There are necessary trade-offs between convenience for individual users and the availability and safety of resources for the entire INI community, and the protection of shared resources takes precedence over individual needs. In general, it is assumed that you are aware of your actions and their impact on shared resources; if any software or hardware you use negatively affects the network or other devices, you will be denied use of INI resources.

The University maintains a set of computing policies separately applicable to the INI computing environment at: <http://www.cmu.edu/policies/documents/Computing.htm>. You are expected to understand the campus-wide computing policies in addition to the INI policies.

The INI enforces the following sanctions on students who violate network and computing use policies (by abusing the network or computing facilities):

- 1st violation: Written warning
- 2nd violation: Loss of access until the problem is addressed. This may be applied on the first violation if the problem impacts other users.
- 3rd violation: No network access for 45 days

Carnegie Mellon and INI computing and network use policies apply to all INI students when Carnegie Mellon or INI facilities and resources are used.

B. Facilities and Guidelines

1. Servers

ECE provides a variety of servers for shared use by students for file storage, Web, database, source control, cycles, etc. Server operating systems include Windows, SuSE Linux, and Solaris.

The University also provides Linux and Solaris servers in public clusters and via ssh to unix.andrew.cmu.edu.

2. Cluster (Pittsburgh INI Students only)

The INI provides students with computing clusters to support course labs, general coursework, and student projects, and access to cluster resources is granted in that order.

Policies

- Cluster hardware and documentation is to remain in the cluster with the assigned PC; do not move, remove, or disconnect anything in the cluster.
- Do not 'lock' a cluster PC for more than 30 minutes. If another student is prevented necessary access to a cluster PC because you have it locked for longer than 30 minutes, you will be logged out without regard for running processes or open files.

- A PC which is logged into but not in active use (i.e. “idle”) for 60 minutes will perform an automatic logout. This ensures all students have an equal opportunity to use INI cluster systems and maintenance cycles occur uninterrupted.
- Classes have precedence for cluster use. If you are asked to leave the cluster by a class teaching assistant, staff or faculty, please do so.

3. Printers (Pittsburgh INI Students only)

The INI provides color, black and white laser printers for student use. If a printer is low on toner or paper, please notify the INI staff.

Policies

- Students should not print large jobs on shared printers. If a large document (over 25 pages) is needed, students should use the printing facilities on campus.
- Staff printers are off limits to students unless prior arrangements are made to help@ece.cmu.edu.
- CIT staff is not responsible for printing difficulties for software that was personally installed by a student but they may be asked for assistance.
- Altering printer settings in any way that interferes with community use will be treated as network abuse.
- INI students may print a maximum of 500 pages per semester on an INI printer free of charge. When a student exceeds 500 pages, a charge of \$.05 per page will be applied to their student account.

4. Software

The INI provides students with software licensed both through the University and specifically to the INI program. In many cases licensing restrictions require that the software be distributed and installed by staff rather than students and prohibit software from being used for any purpose other than coursework or CMU-related research.

Most available licensed software is preinstalled on desktop Windows PCs and cluster Windows PCs. Additional installation requests can be sent to help@ece.cmu.edu.

The Microsoft MSDN Academic Alliance software is distributed via request to help@ece.cmu.edu.

Policies

- Licensed software is for use strictly by INI students for coursework or CMU-related research unless otherwise arranged through help@ece.cmu.edu.
- All new software licensing requests should be directed to help@ece.cmu.edu.

5. Classroom Multimedia

Students have access to classroom lectures and supporting material via Blackboard, the INI web site or Intranet. Digital audio and video files provided are to be used for instructional purposes only and are not to be distributed, shared, downloaded or otherwise used outside the scope of your individual study purposes.

6. Network (Pittsburgh INI Students only)

INI provides switched Ethernet networking to all Henry Street offices in conjunction with the ECE department. The network is for shared use by the entire INI community and thus must support diverse production and experimental traffic with varying reliability and privacy requirements. Non-production VLANs exist to allow research and experimentation while minimizing interference with production network traffic.

The University provides 802.11b wireless networking to the INI through a separate infrastructure for use by the entire University community. The wireless network is separate from the wired and is not directly managed or supported by the INI or ECE.

Policies

- To register a device on the campus wireless network, visit <http://netreg.net.cmu.edu>.
- Devices on 128.2.140/23 are scanned regularly for common vulnerabilities and patch requirements by ECE, and campus. ECE, or campus may suspend a network connection if irregularities are discovered.
- Devices on the campus wireless network are scanned regularly for patch requirements by campus. Notifications on suspension warnings are copied to ECE staff for all devices registered with an INI affiliation.
- The University applies a 2GB/day out/inbound wired network bandwidth quota to all traffic at the campus network border with no quotas on local traffic, although disruption of service for others is considered network abuse. Wireless traffic has a global 750MB quota (local traffic is included).
- Users must respect the privacy of network traffic. Promiscuous traffic sniffing on the production INI network is prohibited.

7. Student Laptops

Students will need to purchase their own laptop. We cannot guarantee that desktop computers will be available in all of the locations for student use. Computers can be purchased through Carnegie Mellon's bookstore in the university center basement. They should be contacted as early as possible because delivery can take some time.

<http://www.cmu.edu/stores/computer/index.html>

If you already have a laptop, you may use it as long as it meets the following minimum technical requirements:

- System with Windows 7 Professional or Ultimate (and XP mode) installed;
- 4GB of RAM and at least a 160GB hard drive;
- We do NOT recommend purchasing a Mac because the majority of applications that students will run for their course work will not run natively on Mac OS.

C. Computing Services

1. Email

INI students are provided with campus 'Andrew' email accounts. Pittsburgh INI students are also provided with ECE accounts in order to use local resources maintained by the ECE department. Andrew email quotas, forwarding, and filtering can be managed at <https://www.cmu.edu/myandrew>. ECE email account issues can be addressed through help@ece.cmu.edu.

Both Andrew and ECE email accounts expire on graduation and cannot be extended. Alumni email accounts can be provided upon request.

2. Bboards

The INI uses several Andrew/Cyrus bboards to communicate with students. The following bboards should be subscribed to and read regularly.

- org.ini.ms: This is the mail bboard used to exchange program-related information. Messages that are not related to the program will be removed.
- org.ini.misc: This is the bboard that students should use for messages not related to the program.

3. WWW

Students can publish Web pages on the ECE Web site. Students can publish Web pages on Andrew servers through <https://www.cmu.edu/myandrew>.

4. AFS

AFS is a global, distributed file system invented at CMU and in use at sites around the world. Pittsburgh INI students are provided ECE AFS accounts with directories at /afs/ece.cmu.edu/usr/userid as well as campus 'Andrew' AFS accounts with directories as /afs/andrew.cmu.edu/usr/userid. Space quotas apply to both AFS accounts. Students can modify Andrew AFS quotas through <https://www.cmu.edu/myandrew> and ECE AFS quotas through requests to help@ece.cmu.edu. AFS is accessible from Andrew public UNIX machines, ECE cluster UNIX machines, and from Windows PCs via the OpenAFS client software.

5. Data Persistence (Pittsburgh INI Students only)

Due to the shared nature of INI student systems, user profiles and user data are no longer persistent. Students should store their personal data on removable media or in their AFS storage spaces. User profiles and accompanying data may be removed at any time for maintenance purposes.

D. INI Building Policies (Pittsburgh INI Students only)

To maintain the appearance of the INI building, and ensure the comfort of use for all occupants, the following policies must be observed by everyone.

1. Key Policy

Building access is restricted to INI staff, faculty and students. Pass keys are provided to individuals authorized for building access.

Non-INI students that are registered for classes that take place in the DEC@Henry are eligible to receive an access key. The building access will be restricted to the front lower level entrance on Henry Street. These keys must be returned upon completion of the course. If they are not returned, a fee of \$25 will be charged to their student account.

Replacement of a lost pass key or not returning a key will cost \$25, without exception. Students who do not return their keys to the front desk administrator before graduation will have \$25 charged to their student account.

2. Guest Policy

If you are expecting a guest, you must schedule a time to meet them at the door within five minutes of arrival. You must have them sign in and out at the front desk. You must accompany your guest at all times. Unaccompanied guests will be asked to leave.

Do not let anyone into the building that you do not know. When entering the building, make sure that the door locks behind you to prevent unauthorized people from entering the building.

3. Bicycle Policy

Bicycles must be kept in the bike rack located outside of the building. Bicycles found in the building will be removed.

4. Kitchen Cleanliness

The student kitchen and appliances provided on the second floor must be kept clean at all times. After using the kitchen, you must clean the table, countertop and sink and throw all your trash in the bin. You are not allowed to remove the chairs and other furniture or take supplies from the kitchen area.

The cleaning staff will clean the refrigerator every week on Thursday and remove all food. All food items left in the refrigerator will be thrown away.

5. Office Environment

The INI building is a professional office for students, staff and faculty. Its main purpose is to provide a safe, quiet area for study and work.

- Noise levels should be kept to a minimum.
- Parties and social gatherings are not permitted in the INI building.
- Sports games are not permitted in the INI building.
- Items left unattended may be thrown away.

6. Smoking

Smoking is not permitted anywhere inside of the INI building or within 20 feet of the front entrance of the INI building. Smoking is absolutely prohibited near the Winthrop Street entrance. Smokers are required to use the ashtray provided. No littering.

7. Parking

Parking in the INI parking lot without a parking pass is prohibited during business hours. Violators will be ticketed and/or towed. The lot is open only on weekends and from 5:00 p.m. to 8:00 a.m. on weekdays.

8. Personal Mail

The Front Desk will receive school-related mail only for students. Students can pick up school-related mail from the Front Desk Assistant. Personal mail and packages of any kind will not be accepted for delivery. Personal mail must be sent to the student's home address.

9. Personal Phone Calls

Local personal calls may be made and received from the phone near the kitchen. Long distance calls that are career- or class-related may be placed or received from designated phones by reservation only. Career- or class-related phone calls must be scheduled with the Front Desk Assistant and approved by INI Career Services.

The INI main number may not be given out by students for personal calls.

10. 1st Floor Conference Room

Use of the conference room on the 1st floor **must** be scheduled with the Front Desk Assistant. Certain conditions apply for use of the conference room. Students who reserve the conference room take responsibility for leaving the room in the condition in which they found it.

11. Items Not Permitted In Offices

The following items are a fire hazard and are not permitted in offices:

- Refrigerators, cube or otherwise

- Toaster ovens
- Hot plates
- Space heaters
- Key locks on office doors
- Hot pots (electric kettles)

12. Video Surveillance

For security, several video surveillance cameras operate on the INI premises. To protect personal privacy, the INI will only view the video footage when an incident occurs that has a related police report.

13. Food in student offices and classrooms

Food is not permitted in student offices, with the exception of light snacks (i.e., chips, pretzels). All meals consumed within the building must be eaten in the kitchen area on the 2nd floor. All perishables should be discarded in a timely manner in the garbage bins outside of the student offices. Food and drink are absolutely prohibited in the INI DEC@CIC and the INI DEC@Henry Street.

14. Off-Limits Areas

- Staff kitchens on the 1st floor and lower level
- Reception desks on the 1st floor and lower level. Removing any items from the reception desks or any staff office/area constitutes theft and will be referred to campus police.
- Staff copy room on the 1st floor
- Wiring closets on the 1st and 2nd floors
- Electrical room on the 2nd floor
- Server room on the 1st floor
- Staff offices (Unless otherwise invited by a staff member)
- Roof
- Students may not congregate near INI entrances on the lower level and first floors. This includes the lobby area.
- Congregating near and using the exit on Winthrop Street is absolutely prohibited. This is an emergency and handicap exit only.

15. Office spaces

Students are not allowed to enter an office except by the office occupant's permission. Students are not allowed to move or remove items, including chairs, from offices or common spaces.

Office spaces are determined randomly. Once assigned there will be no changes to office assignments. If a student would like to request another student as an office mate, the student should email a request to the administrative assistant.

The INI will not provide keys to offices. Students are not allowed to lock the office doors. The INI is not responsible for items lost or stolen from student offices.

Windows in the offices must be clear for cleaning purposes. No posters may be put on the windows.

Campus police send a patrol by the INI building on a daily basis.

16. Building problems

Report all building problems—leaks, burnt out lights, electrical faults, clogs, etc. to the Front Desk Assistant.

Failure to comply with any of the building polices can warrant a citation from any staff member. First and second citations will deny access to the building and resources for one week, and the third citation results in a 30 day expulsion from the building. Any destruction of building property will result in expulsion from the building. Anyone who allows a student who has been expelled into the building will also be expelled, regardless of whether the citation is a first offense.

17. Copy Room

At the beginning of the semester, the copy room is equipped with supplies (e.g. stapler, hole-punch, etc.). Do not remove the supplies from the copy room. If lost, these supplies will not be replaced.

18. Student Lockers

Lockers are available on a first-come, first-served basis for INI students to use and can be obtained by signing-up at the INI Front Desk. Students must register the locker number at the INI Front Desk first, before claiming and/or occupying a locker. Students must comply with the following rules:

- INI reserves the right to access the student lockers if circumstances warrant us to do so.
- Students are responsible for providing locks for their lockers and **the INI is not responsible for the security of items within the lockers.**
- If the student cannot remove the lock from their locker, it will be removed with bolt cutters by an INI staff member.
- Students may not store food or drink in their lockers.
- Students are financially responsible for any damage done to the inside and/or outside of the locker and should alert an INI staff member, immediately, if damage has occurred.
- At the end of the spring semester and before exiting the program, students must:
 - a. Remove their lock and all personal items and debris from their locker. Any items left behind will be thrown away.
 - b. Failure to do the above will result in charges to the student's account.

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IX. OTHER POLICIES

A. Alcoholic Beverages

In all circumstances, the University expects students to conduct themselves both individually and collectively in a responsible manner. Abusive or excessive consumption of alcohol resulting in interference with the rights of other persons, personal injury, or damage to property will result in severe disciplinary action, up to and including suspension or expulsion.

Carnegie Mellon accepts no responsibility for the direct supervision of the social activities engaged in by its students and student organizations. However, the University reserves the right to review the planning for social events requiring the use of University facilities and to set special requirements as needed to ensure that responsibilities are met.

Consumption of alcoholic beverages in the classrooms is absolutely forbidden.

The following are the rules for social events at Carnegie Mellon:

- Social events should not be held during INI classes - including evening classes - (unless special arrangements are made), nor can they occur during exams held in the INI building.
- All social events providing alcoholic beverages must also provide non-alcoholic beverages and food (e.g., potato chips).

- A Carnegie Mellon alcohol policy permit must be obtained for all events where alcohol will be served. This permit can only be issued to individuals who have completed the Carnegie Mellon alcohol program and are authorized to sign the permit.

It is the responsibility of the event supervisor to see that:

- No underage persons are served alcoholic beverages;
- Persons who appear to be intoxicated are not served;
- After the event, the locale is left as neat as possible;
- Any damages are reported to the Director of Admissions and Student Affairs, the INI Director, or if any of these are not available, to Carnegie Mellon Security.

B. Policy Regarding Sexual Harassment

The free exchange of ideas, the confidence to work, to study, to innovate, and to perform, even the standards of discussion and performance to which the University is dedicated are based upon an atmosphere of open trust and mutual respect - an atmosphere on which the intrusion of personal advantage or harassment, in any of its forms, can only be destructive to the desired environment.

Sexual harassment is prohibited by the University. Any faculty member, staff employee, or student found to have violated the University's policy against sexual harassment will be subject to immediate and appropriate disciplinary action, including possible suspension, termination, or expulsion.

Refer to the complete policy at <http://www.cmu.edu/policies/documents/SexHarass.html>.

C. Pets

Dogs, cats, and other pets are not permitted in any University building under any circumstances. Dogs are permitted on campus grounds when leashed and properly attended. Dogs may not be left tied to trees or other objects on campus.

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X. MISCELLANEOUS INFORMATION

A. Change of Address

INI students are responsible for notifying INI and the HUB of all address changes in a timely manner. Students will be held responsible for any failure to receive official college notices due to not having a correct address on file.

B. Return of University Property

Each INI candidate must return all materials borrowed from the INI (such as software, manuals, books from the libraries, or anything else that is the property of Carnegie Mellon University) prior to departure from the program.

C. Exit Interviews

Students may request an exit interview with the INI Director prior to leaving the program.

XI. GRANDFATHER CLAUSE

The INI will make a serious effort to see that all students are informed of any relevant changes in policy or operations. In general, when such revisions and additions increase degree requirements, only the next entering class will be bound by them.

XII. POLICY CHANGES

May 16, 2011. Clarification. Section I-H-1, Electives for MSIN and MSISTM Students: Silicon Valley courses were added to the type of courses that can fulfill the 36 units of restricted electives.

May 16, 2011. Clarification. Section II-F, Auditing a Course, and Section II-G, Taking a Course Pass/Fail: References to the enrollment manager were changed to “INI Enrollment Services Office.” Failing grade was changed from “a grade lower than a D” to “a grade lower than a C”.

February 7, 2011. Addition. Section I-H-2, INI Degree Requirements, Electives: The INI courses were added to the department options for fulfilling elective requirements for MSIN and MSISTM.

November 23, 2010. Clarification. Section I, INI Degree Requirements: A statement was added to clarify that core courses may not be waived or substituted.

September 3, 2010. Correction. Section I-D, INI Degree Requirements: A correction was made to the number of units listed for the Integrated Masters programs, which requires 36 units of core courses and 48 units of restricted electives (not 48 and 36, as was previously listed).

December 13, 2011. Change. Section IV-B, Incompletes: The policy was changed to adhere to the university’s policy on incompletes.

December 13, 2011. Clarification. Section V-C, Academic integrity: The following text was added for clarification: "In accordance with the university's policy, a student who violates the academic integrity policy will not be permitted to drop the course in which the offense occurred in order to avoid penalty. If a student attempts to drop the course, he or she will be re-enrolled."

January 16, 2011. Clarification. Sections I-M, Academic Performance and V-C, Academic Integrity. The text was updated to further clarify academic probation and its resulting penalties.

January 16, 2011. Correction. The term “pass/fail” course was updated to “pass/no pass” course in order to align with the university’s terminology.

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