Computer Science MS/MCS
iPOS Information Session

Fall 2016
Interactive Plan of Study (iPOS)

The Plan of Study (iPOS) functions as a contract between the student, the academic unit, and the Office of Graduate Education.

- iPOS Help Page
- All Master’s students must submit their iPOS in their first semester
iPOS Submission

Access your iPOS through MyASU

Select degree requirements and anticipated graduation term.

- Questions concerning program requirements should be directed to your academic unit and/or advisor.
- Questions concerning technical issues with the Interactive Plan of Study (iPOS) may be emailed to iposa@asu.edu.
iPOS Submission

Graduate Plan of Study

Select ASU Courses

This step allows you to select courses from your ASU transcript to add to your POS. You may also add courses that you plan to complete in future semesters, in the ASU course catalog.

Please select one of the links below to continue; afterward, you will return automatically to this page.

- **Transcript**: Select courses from my transcript
- **Future**: Select future courses

**Transcript**: All courses taken, currently taking, or registered in

**Future**: Courses you plan to take in a future semester
iPOS Submission

Graduate Plan of Study

Plan of Study Advisor/Committee

Please select your Plan of Study/faculty advisor or designate your complete committee.

Enter the last name of your advisor below or you may designate your committee by entering each person; you can enter the first letter of the person’s first name to narrow your search results.

Click the Search button to proceed.

Last Name

First Name

Search

MS: Thesis Faculty Chair

MCS: Dr. Chitta Baral, Program Chair
# Completed iPOSO

## Graduate Plan of Study

### General
- **Degree Plan**: Computer Science (MCS)
- **Admitted**: 2015 Fall
- **Graduation Deadline**: 2021 Summer
- **Minimum Hours Required**: 30.00
- **Current POS GPA**
- **Overall Graduate GPA**
- **Program of Study Status**: POS Approved

### Degree Requirements
- 30 credit hours and a portfolio
  - **Graduate Portfolio**: Incomplete

### Advisor/Committee
- Benel Chitta Ranjan, Chair
- Professor
- Sch Compt Infom & Dec Sys Engr

### ASU and Transfer Courses

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Title</th>
<th>Credit Hours</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>2015 Fall</td>
<td>CSE 512</td>
<td>Distributed Database Systems</td>
<td>3.00</td>
<td></td>
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<tr>
<td>2015 Fall</td>
<td>CSE 571</td>
<td>Artificial Intelligence</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>2016 Spring</td>
<td>CSE 543</td>
<td>Info Assurance &amp; Security</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>2016 Spring</td>
<td>CSE 572</td>
<td>Data Mining</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>2016 Spring</td>
<td>CSE 598</td>
<td>Special Topics: Computational Humanities Ranch</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>2016 Summer</td>
<td>CSE 584</td>
<td>Internship/CPT Internship</td>
<td>1.00</td>
<td></td>
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<tr>
<td>2016 Fall</td>
<td>CSE 545</td>
<td>Software Security</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>2016 Fall</td>
<td>CSE 569</td>
<td>Fundamentals of Stat. Learning</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>2016 Fall</td>
<td>CSE 591</td>
<td>Seminar: Data Visualization</td>
<td>3.00</td>
<td></td>
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<tr>
<td>2017 Spring</td>
<td>CSE 563</td>
<td>Software Validation/Test</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>2017 Spring</td>
<td>CSE 573</td>
<td>Statistical Machine Learning</td>
<td>3.00</td>
<td></td>
</tr>
</tbody>
</table>

**Total Credit Hours**: 31.00
The number of credits removed should be equivalent to the number of credits added.

**Update**: remove courses you did not take or change the term (i.e. from Spring to Fall)

**Add**: actual courses taken (from transcript) or courses planned in the future

All degree requirements must still be met.
Computer Science

30 Credit Hours

**MS THESIS OPTION**

- 3 **Area Courses**: Foundations, Systems, Applications (1 course in each area with “B” grade or better, NO 4XX/598 Courses) (9 credit hrs.)
- 5 additional CSE courses (15 credit hrs.)
  - 9 hrs. in research topic
- 6 hrs. Thesis (CSE 599)

Optional:
- 1 elective outside CSE with approval
- 6 credit hours of Reading and Conference (CSE 590)

**MCS NON-THESIS OPTION**

- 3 **Area Courses**: Foundations, Systems, Applications (1 course in each area with “B” grade or better, NO 4XX/598 Courses) (9 credit hrs.)
- 7 additional CSE courses (21 credit hrs.)
- Portfolio Project

Optional:
- 2 electives outside CSE with approval
- No Reading and Conference (CSE 590) is allowed

- A maximum of 12 credit hours of cross listed courses (CSE 4XX/598)
- Maximum of 6 hrs. of 400 level courses from the approved list
  NEW
- A maximum of 12 credit hours can be combined cross listed courses and 400 level courses

*If a 400 level course is cross-listed with a 500 level course, students will be required to enroll in the 500 level.
Arts, Media, and Engineering Concentration (MS)

- 9 credit hours from each of the areas*: Foundations, Systems, Applications
- 6 credit hours of CSE courses**
- 9 credit hours of AME courses
- 4 credit hours of CSE 599 – Thesis
- 2 credit hours of AME 599 - Thesis

**MAX two 598 Courses

**Can include: 6 credit hours of Reading and Conference (CSE 590)

*1 course in each area with “B” grade or better
Information Assurance Concentration - MS

- 9 credit hours from each of the areas*:
  Foundations, Systems**, Applications**
  **Students in this concentration must take CSE 539 Applied Cryptography*** as either their Systems or Applications course.

- Concentration Courses (9 credits)
  Students must take the following 9 credits of coursework:
  CSE 543: Information Assurance and Security (3)
  CSE 545: Software Security (3)
  CSE 548: Advanced Computer Network Security (3)***

- 6 credit hours of CSE electives
  - Can include: 6 credit hours of Reading and Conference (CSE 590)

- 6 credit hours of thesis

*1 course in each area with “B” grade or better

***CSE 539 must be taken before, or concurrently with, CSE 548.
Information Assurance Concentration - MCS

- 9 credit hours from each of the areas*: Foundations, Systems, Applications
- Concentration Courses (15 credits)
  Students must take the following 12 credits of coursework:
  - CSE 539: Applied Cryptography (3)**
  - CSE 543: Information Assurance and Security (3)
  - CSE 545: Software Security (3)
  - CSE 548: Advanced Computer Network Security (3)**
  Students must choose **one** of the following courses:
  - CSE 466/598: Computer Systems Security (3)
  - CSE 467/598: Data and Information Security (3)
  - CSE 469/598: Computer and Network Forensics (3)
  - CSE 531: Distributed and Multi-Processor Operating Systems (3)
  - CSE 534: Advanced Computer Networks (3)
  - CSE 565: Software Verification, Validation, and Testing (3)
- 6 credit hours of electives

*1 course in each area with “B” grade or better

**CSE 539 must be taken before, or concurrently with, CSE 548.
Big Data Systems Concentration (MS/MCS)

- 9 credit hours from each of the areas*: Foundations, Systems, Applications
- Concentration Courses (15 credits)
  
  Required Courses (9 credit hours)
  
  CSE 510 Database Management System Implementation (3)
  CSE 512 Distributed Database Systems (3)
  CSE 572 Data Mining (3) or IEE 520 Statistical Learning for Data Mining (3)

  Student must choose two of the following courses (6 credit hours)
  
  CSE 575 Statistical Machine Learning (3)
  CSE 591 Data Visualization (3)
  CSE 546/591 Cloud Computing (3)
  CSE 573/591 Semantic Web Mining (3)
  CSE 515 Multimedia and Web Databases (3)

- 6 credit hours of electives or thesis

*1 course in each area with “B” grade or better
Biomedical Informatics Concentration (MS)

• 9 credit hours from each of the areas*: Foundations, Systems, Applications
  *1 course in each area with “B” grade or better

• 9 credit hours of BMI courses
  – BMI 501 – Introduction to Biomedical Informatics (3)
  – BMI 540 – Problem solving in Biomedical Informatics (3)
  – BMI 5XX – Approved Elective in Biomedical Informatics (3)

• 6 credit hours of CSE courses**

• 6 credit hours of CSE 599 – thesis

**Can include: 6 credit hours of Reading and Conference (CSE 590)
Degree Change

- MS to MCS, MCS to MS, Ph.D. to MS/MCS, or adding/removing a concentration
  - TRANSFER CREDITS
    - Computer Science MS/MCS programs allow a maximum of 9 credit hours of graduate-level courses
    - ‘B’ grades or better
    - Within the last 3 years
  - PROCEDURE: [https://cidse.engineering.asu.edu/forstudent/graduate/help-pages/](https://cidse.engineering.asu.edu/forstudent/graduate/help-pages/)

- MS/MCS to Ph.D
  - New application required
  - Admission can be denied
  - A maximum of 12 credits can transfer into the Ph.D. program
CPT Internship

- **CPT Help Page**
- To be eligible for CPT you must have maintained F-1 status for a minimum of one academic year in current degree program.
- 3.0 cumulative, graduate and iPOS GPA
- **No Academic Integrity violations within one year.**
- MUST BE LISTED ON INITIAL IPOS!!
  - MS/MCS - Max 3 credits (two semesters and a single summer session)
- ISSC CPT website: [https://students.asu.edu/international/support/f1cpt](https://students.asu.edu/international/support/f1cpt)

  - Proposed employment must be an integral part of an established curriculum and meet one of the following requirements
    1. Internship is required of all candidates for a particular degree program
    2. Internship is required of a particular student’s degree program as a planned option in their degree plan (the intent to include internship is established between student and advisor early on and not added to accommodate employment opportunity).
CPT and iPOS

Addition of the CPT course(s) should be done at the initial submission of the student’s iPOS during the first semester of study. (Note that each student is required to file an iPOS by the end of his/her first semester of study. Later additions of CPT courses must be requested and approved at least one full semester (fall, spring or summer) prior to the proposed start date of the internship course. For example, a student planning to do an internship during the summer semester should have an approved iPOS with the internship course before the beginning of classes in the preceding Spring semester. The Internship course cannot be added to an approved iPOS once all coursework has been completed. Exceptions may be made if the internship is relevant to thesis (or dissertation) research.

Taken from CIDSE CPT Policy
The Graduate Program Chair will determine the need for a CPT internship in such cases in consultation with the Graduate Academic Advisor. Note that approval of an iPOS with the CEN/CSE/IEE 584 course confirms that the internship is an integral part of the degree requirements as planned by the student. Hence, students who are not able to fulfill the internship credit requirements in their iPOS are required to replace the course credit requirements through the following options:

- taking a 3-credit hour graduate course,
- taking the 1-credit hour CEN/CSE/IEE 594 seminar course
- taking one credit hour of CEN/CSE/IEE 590 – Reading and Conference (Independent Study) - thesis students only.

Note: The options depend on your program.

Taken from CIDSE CPT Policy
Questions