FLORIDA ATLANTIC UNIVERSITY
Department of Electrical Engineering and Computer Science
College of Engineering & Computer Science

M.S. in Artificial Intelligence (EG-MS-ARIN)
Program Worksheet (30 credit hours total)

Name: _____ Z#: _____ Starting Term: _____

Phone #: _____ Overall GPA: _____ Date: _____

Are you pursuing a certificate ☐ or minor ☐? Certificate or Minor Program Name : _____

Did you submit your certificate or minor worksheet? Yes ☐ No ☐

Degree Requirements
Students can choose between thesis and non-thesis options. Both options require a minimum of 30 credit hours (crs). Regardless of the option chosen, all students must complete the following requirements:

- Maintain a minimum 3.00 GPA to remain and graduate from the program.
- All courses within the degree program must be completed with a letter grade of "C" or higher.
- A minimum of 15 credit hours must be taken at the 6000 level.
- A maximum of 3 credit hours of Directed Independent Study (DIS) can be taken (faculty approval required).
- After completing 18 credit hours of coursework, students are required to submit their program worksheet and Plan of Study (POS) to the Electrical Engineering & Computer Science (EECS) Department.
- Students who wish to pursue a minor or certificate program must apply and be accepted into the program by the time they have earned 18 credits. Otherwise, they are ineligible to apply.

Thesis Option Requirements
- Students must secure a Thesis Advisor.
- Complete **6 credit hours** of Master's Thesis over two semesters under the supervision of a faculty advisor.
  See additional Thesis Requirements on page 3

IF Prerequisite Courses were Required for Admissions, list here. Must be completed within the first semester.

Course Number & Title	Semester Taken	Grade

Core Courses section- Choose ONLY two courses (6 crs) from the three listed below if non-thesis or thesis.

Core Course Number & Title	Semester Taken	Grade
CAP 5625 Computational Foundations of Artificial Intelligence		
CAP 6635 Artificial Intelligence		
CAP 6673 Data Mining and Machine Learning		

The program worksheet undergoes periodic review and is subject to change.
This worksheet is intended to assist with tracking your coursework and completing the required POS.

AI Electives section

Choose any combination of four courses (12 crs) total from the list below, if non-thesis option. Choose any combination of two courses (6 crs) total from the list below, if thesis option.

AI Electives Course Number & Title	Semester Taken	Grade
Computer Vision		
CAP 6411 Foundations of Vision		
CAP 6415 Computer Vison		
CAP 6618 Machine Learning for Computer Vision		
COP 6728 Visual Information Retrieval		
Data Analytics & Algorithms		
CAP 5625 Computational Foundations of AI		
CAP 5768 Introduction to Data Science		
CAP 6315 Social Networks and Big Data Analytics		
CAP 6546 Data Mining for Bioinformatics		
CAP 6635 Artificial Intelligence		
CAP 6780 Big Data Analytics with Hadoop		
CEN 6405 Computer Performance Modeling		
COT 6405 Analysis of Algorithms		
Knowledge Management & Reasoning		
CAP 6640 Natural Language Processing		
CAP 6776 Information Retrieval		
CAP 6777 Web Mining		
COP 5859 Semantic Web Programming		
Machine Learning		
CAP 5615 Introduction to Neural Networks		
CAP 6512 Evolutionary Computing		
CAP 6617 Sparse Learning		
CAP 6619 Deep Learning		
CAP 6629 Reinforcement Learning		
CAP 6673 Data Mining and Machine Learning		
CAP 6778 Advanced Data Mining and Machine Learning		
Applications		
CAP 6683 Artificial Intelligence in Medicine & Healthcare		
CAP 6807 Computational Advertising & Real-time Data Analytics		
EEL 5661 Robotic Applications		

EECS Department Electives section- Choose any four graduate courses (12 crs) offered by EECS if non-thesis or thesis. List electives below.

EECS Elective Course Number & Title	Semester Taken	Grade

Thesis Option- **Complete 6 credit hours of Thesis.** **Students are required to have a thesis form signed by a faculty advisor to register for thesis credits.**

Course Number & Title	Semester Taken	Grade
CAP 6974 Master's Thesis Artificial Intelligence		
CAP 6974 Master's Thesis Artificial Intelligence		

IF Directed Independent Study (DIS) course (3 crs) was completed, list below. **A DIS will substitute for one EECS Elective. Students are required to have a DIS form signed by a faculty advisor to register for a DIS course.**

DIS Course Number & Title	Semester Taken	Grade

Course Substitution section. **The EECS Department may approve course substitutions on a case-by-case basis. List approved course substitutions here. Students are required to have advisor approval in writing.**

Substitution Course Number & Title	List AI or EECS Elective	Semester Taken	Grade

Failed Courses section. **List all failed courses here, with letter grades lower than a "C".**

Failed Course Number & Title	Semester Taken	Grade

Eligibility Requirements for Thesis Candidacy:

Students may apply for candidacy upon completing 9 credit hours of coursework and maintaining a 3.00 overall/cumulative GPA. Students must prepare a POS in consultation with their graduate advisor, detailing the courses necessary for fulfilling their degree requirements. Approval from the student's advisor is required for all listed courses.

Students working toward the MS Thesis option degree may not register for thesis credits until their POS has been approved.

The Thesis Committee is composed of:

- At least three faculty members
- A minimum of two members are from the EECS Department
- The Committee Chair from the EECS Department

How to Perform Search for EECS Department Graduate Courses

When you perform a search on the Searchable Schedule, select the term. In the Department box, select Electrical Engin & Computer Sci. In the Level box, select Graduate. Then click on Search. This will display the entire course schedule of classes under the EECS department for that semester.