Academic Degree Progress Chart

Economics - Computer Science Joint Major

Student's Name _____

Student I.D._____ Date_____

1. Mathematics Requirements (Credits)	Semester	Grade	Notes
MATH 111 - Calculus I (3)			
MATH 210 - Adv. Calculus for Data Sciences (4)			Pre-Req*: MATH 111 *Can substitute MATH 211
MATH 221 - Linear Algebra (4)			Pre-req*: MATH 111 or 112
2. Computer Science Requirements	**Semester**	**Grade**	**Notes**
CS 170 - Introduction to Computer Science I (4)			
CS 171 - Introduction to Computer Science I I (3)			Pre-Req*: CS 170
CS 224 - Foundation of Computer Science (3)			Pre-Reqs*: CS 170 & MATH 111
CS 253 - Data Structures & Algorithms (3)			Pre-Req*: CS 171
3. Economics Requirements	**Semester**	**Grade**	**Notes**
ECON 101 - Principles of Microeconomics (3)			*FIN 201 can replace ECON 101
ECON 112 - Principles of Macroeconomics (3)			Pre-Req*: ECON 101
ECON 201 - Intermediate Microeconomics (4)			Pre-Reqs*: ECON 101 & MATH 111
ECON 212 - Intermediate Macroeconomics (3)			Pre-Reqs*: ECON 101 & ECON 112 & MATH 111
4. Methods, Analysis, and Systems	**Semester**	**Grade**	**Notes**
ECON 220 - Data Science for Economists (4)			Pre-Reqs*: ECON 101 & MATH 111 *MATH 361 can replace 220
ECON 320 - Econometrics (4)			Pre-Req*: ECON 220
CS 325 - Artificial Intelligence (3)			Pre-Reqs*: CS 224 & CS 253
CS 334 - Machine Learning (3)			Pre-Reqs*: CS 224, CS 253 & MATH 221, 275 or 321
5. Electives (complete 2 courses)	**Semester**	**Grade**	**Notes**
1._____			
2._____			
Options: ECON 312, ECON 421, ECON 422, ECON 487, CS 329, CS 370, CS 377, CS 470, MATH 346			
6. Integrated Computer Science/ Economics Course - Capstone	**Semester**	**Grade**	**Notes**
ECON 480/CS 480 - Computing Methods in Economics (3)			Pre-Reqs*: ECON 320 & CS 334 OR CS 325

Economics-CS Joint Major GPA _____

- Minimum overall grade point average must be 2.0 (C)
- All classes in the major must be taken for a letter grade
- Contact econungrad@emory.edu with questions

Academic Credit Requirement

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Required   Actual   Needed