University of Georgia - Undergraduate/Graduate Dual Degree Pathway Proposal
(Double Dawgs)

Dual degree pathway proposals include more than one degree. Please provide the following information for each unit involved: (Sample Completed Dual Degree Proposal Form)

Dual Degree Pathway (Major(s) and Degrees): *Computer Science BS/Artificial Intelligence MS*	
Undergraduate Major Information	**Graduate Major Information**
*Undergraduate Major Name and Degree: Bachelor of Science(BS) in Computer Science	*Graduate Major Name and Degree: Master of Science(MS) in Artificial Intelligence
Undergraduate Major Department Name: Computer Science	Graduate Major Department Name: Inst. For Artificial Intelligence
*Undergraduate Major School/College Name: Franklin College of Arts & Sciences	*Graduate Major School/College Name: Franklin College of Arts & Sciences
*Undergraduate Major Advising Contact (Name, Office, Department, Phone Number): Dr. Bradley Barnes, 215 Boyd GSRC, 706 583 0826	*Graduate Major Advising Contact (Name, Office, Department, Phone Number): Dr. Adam Goodie, 512 Psychology, 706-542-6624, goodie@uga.edu
*Effective Semester for Dual Degree Program: Fall 2017	
*Dual Degree Pathway Contact(s) (Name, Email, Phone Number, Department): Thiab Taha , trtaha@uga.edu, 706542 3455, Computer Science & Khaled Rasheed, khaled@uga.edu, 706-542-2911, Artificial Intelligence Contact for person completing the form if different from Dual Degree Program Contact(s): (Name, Email, Phone Number, Department):	

*Indicates required field.

Curriculum:

It is important to ensure that the integrity of each individual program is maintained when selecting courses (maximum 12 credit hours) that may be used to satisfy the requirements of both programs. Please provide the following information:

- Include the following dual degree pathway requirements:
  - Specify which graduate-level courses will be used to satisfy undergraduate program requirements.

    Student needs to take 12 hours of CS Major electives or BS upper division course work at the 6000 level or higher from the list of required courses or electives for the MS in AI degree. The following are some of the courses that fulfill the above requirements:

    CSCI 6380: Data Mining (4 hours)
    CSCI 6550: Artificial Intelligence (3 hours)
    CSCI 6330: AI and the Web (4 hours)
    CSCI 6360: Data Science (4 hours)
    CSCI 6530: Introduction to Robotics (4 hours)
    CSCI 6560: Evolutionary Computing (4 hours)
    CSCI 6540 Symbolic Programming (3 hours)
    CSCI 6800 Human Computer Interaction (4 hours)
    ARTI 8800 Faculty Research Seminar (1 hour)
    CSCI 8950 Machine Learning (4 hours)
    CSCI 8820 Computer Vision and Pattern Recognition (4 hours)
    CSCI 8860 Biomedical Informatics (4 hours)
    CSCI 8920 Decision Making Under Uncertainty (4 hours)

  - Provide any additional requirements that are unique to the dual degree program, such as certain courses or groups of courses (e.g., Area of Emphasis) that students must complete and/or any limitations on course selection.

    Student must satisfy all the course requirements for the BS in CS and the MS in AI. Student must take at least **12** hours in courses open to graduate students only.

    The candidate must register for ARTI 7300 Master's Thesis for at least **3** hours of credit while working on research.

- Provide a sample program of study for the dual degree program.
  See attached sample program of study.

Admission Requirements:*

Admission to Pathway

- Specify how students will be admitted to the dual degree pathway:
  - Address how and when students will apply to the dual degree pathway.

At least 60 hours completed at the time of application. Application will be made to the Institute for Artificial Intelligence.

  - Include specific admittance requirements, such as coursework, GPA, and required tests.
Additional requirements include an overall undergraduate GPA of 3.2

  - Admission to the dual degree pathway does not guarantee admission to the graduate program.

Admission to Graduate Program

- Specify admission requirements for the graduate degree program.

Students who meet all of the following requirements will be eligible to apply for the MSAI program:

      o   GRE and TOEFL (for foreign applicants) scores that satisfy the UGA graduate admissions requirements.

      o   *GPA*: Minimum cumulative undergraduate GPA of 3.2 for all courses taken.

*Admission requirements for the dual degree pathway may be different from the admission requirements for the graduate degree program.

Resources:

- Describe any additional resources required to implement the dual degree pathway. If additional resources are needed, indicate how such needs will be addressed.

     None.

Note: Assessment will not be addressed for the dual degree pathway, as each degree will be assessed as part of the individual program review process.

Completed and signed dual degree pathway proposal forms should be submitted to the Office of Curriculum Systems at currsys@uga.edu or 319 New College.

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Signature Page - Dual Degree Program Proposal

Dual Degree Program (Majors and Degrees): BSCS/MSAI
(Example: Accounting BBA/Accounting MAcc)

Effective Date for Dual Degree Program: Fall 2017

Dual degree program proposals must be approved by each unit involved in offering the program. If multiple departments and schools/colleges are involved, signatures from each unit must be provided. The form may be signed digitally or printed and signed.

Undergraduate Major Department

Department Name: _Computer Science

Department Head Name (print): Thiab Taha

Department Head (sign & date): _____ 07/21/2017_____

Undergraduate Major School/College

School/College Name: Franklin College of Arts & Sciences

Dean Name (print): Alan Dorsey

Dean (sign & date): _____

Graduate Major Department

Department Name: Artificial Intelligence

Department Head Name (print): Khaled Rasheed

Department Head (sign & date): ___Khaled Rasheed 7-21-2017_____

Graduate Major School/College

School/College Name: Franklin College of Arts & Sciences

Dean Name (print): Alan Dorsey

Dean (sign & date): _____

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	Fall Course	Hours	Spring Course	Hours	Tot Hours	UG Hours	G Hours	Upper Div (39-Hour Rule)
Year 1	Gen Ed III: CSCI 1301	4	CSCI 1302	4				
	Gen Ed I: MATH 2250	4	CSCI 2610	4				
	Gen Ed I: ENGL 1101/1101E/1101S	3	Gen Ed I: ENGL 1102/1102E/1102M/1050H/1060H	3				
	Gen Ed IV: World Languages & Culture	3	Gen Ed IV: World Languages & Culture	3				
	First year odyssey	1	PEDB course	1				
Total		**15**		**15**	30	30	0	0
Year 2	CSCI 1730	4	CSCI 2720	4				
	CSCI 2670	4	CSCI Math elective	4				
	Gen Ed V: Social Sciences HIST 2111/2112	3	Gen Ed II: Life Sciences w/ Lab	3				
	Gen Ed IV: World Languages & Culture	3	Gen Ed V: Social Sciences POLS 1101	3				
Total		**14**		**15**	29	29	0	0
Year 3	CS Systems Design course, e.g., CSCI 4760	4	CSCI 4000-level elective	4				
	CSCI 3030 Computing, Ethics and Society	4	CSCI 4000-level elective	3				
	CSCI/MATH elective	4	Gen Ed II: Physical Sciences w/ Lab	3				
	Franklin Literature course	3	Franklin Fine Arts/Phil/Reli & Multicultural course	3				
	Major Related Elective - Science			3				
Total		**15**		**16**	31	31	0	15
Year 4	Computer Architecture course, CSCI 4720	4	CS Theory course, e.g., CSCI 4470	4				
	CSCI **6380** Data Mining/AI required/CS elective	4	CSCI **8950 Machine Learning**	4				
	Gen Ed IV: Humanities & the Arts	3	CSCI/MATH elective (Upper Division)	3				
	CSCI **6550** Artificial Intelligence/AI required/CS elective	3	Gen Ed V: Social Sciences	3				
	ARTI **8800** Faculty Research Seminar	1		1				
Total		**15**		**15**	30	30	12	24
Year 5	AI **8000** level course	4	PHIL **6310** Philosophy of Mind	3				
	Phil **6510** Deductive systems/ AI required	3	ARTI **7300**	3				
	AI **8000** level course	4	ARTI 7000	6				
	ARTI 7000	1						
Total		**12**		**12**	18	0	20	0
Grand Total					138	120	32	39

Notes:
Bold => counts for both degrees (max 12 hrs)
Red => only counts for MS degree