

**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:

<b>Dual Degree Pathway (Major(s) and Degrees):</b>	
<i>Cognitive Science AB/Artificial Intelligence MS</i>	
<b>Undergraduate Major Information</b>	<b>Graduate Major Information</b>
*Undergraduate Major Name and Degree:  AB in Cognitive Science	*Graduate Major Name and Degree:  MS in Artificial Intelligence
Undergraduate Major Department Name:  Inst. For Artificial Intelligence	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. Sarah Wright, 101c Peabody, 706-583-0530, sawright@uga.edu	*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 Pathway: Fall 2017	
*Dual Degree Pathway Contact(s) (Name, Email, Phone Number, Department): Dr. Sarah Wright, 101c Peabody, 706-583-0530, sawright@uga.edu  Contact for person completing the form if different from Dual Degree Pathway 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 can be used to satisfy undergraduate program requirements.

**Classes Required for the MSAI: (6 credits)**

PHIL/LING 6510: Deductive Systems (3 hours)

CSCI/PHIL 6550: Artificial Intelligence (3 hours)

**Optional classes: Foundations Area for BA/ MS Group A or B (limit 6 credits)**

CSCI/ARTI 6540 Symbolic Programming (3 hours)

PHIL/LING 6300: Philosophy of Language (3 hours)

PHIL 6310: Philosophy of Mind (3 hours)

PHIL/LING 6520 Model Theory (3 hours)

PSYC 8240: Judgement and Decision Making (3 hours)

LING 6021 Phonetics and Phonology (3 hours)

LING 8150 Generative Syntax (3 hours)

PHIL/EECP 6250 Philosophy of Technology (3 hours)

- Provide any additional requirements that are unique to the dual degree pathway, such as certain courses or groups of courses (e.g., Area of Emphasis) that students must complete and/or any limitations on course selection.
  - None required.
- Provide a sample program of study for the dual degree pathway.

## Five-Year Sample Plan of Study for AB Cognitive Science/MSAI

YEAR ONE			
<b>Fall Courses</b>		<b>Spring Courses</b>	
ENGL 1101 (Area I)	3	ENG 1102 (Area I)	3
PHIL 2010 (Areas IV and VI, and Major)	3	PSYC1101 (Areas V and VI, and Major)	3
MATH 1113 (Area I)	3	CSCI1301-1301L (Area VI, and Major)	4
STAT2000 (Area VI, and Major)	4	BIOL 1103 and Lab (Area II)	4
FYO 1001	1		
	Hours	14	Hours
			14
YEAR TWO			
<b>Fall Courses</b>		<b>Spring Courses</b>	
Language Course (Area IV & Franklin Requirement)	4	Language Course (Area IV & Franklin Requirement)	4
PHIL2500 (Areas III and VI, and Major)	3	HIST 2111 or HIST 2112 (Area V)	3
LING2100 (Areas IV and VI, and Major)	3	Physical Science (Area II)	3
POLS 1101 (Area V)	3	CSCI 2610	4
CSCI 1302	4	P.E. Requirement	1
	Hours	17	Hours
			15
YEAR THREE			
<b>Fall Courses</b>		<b>Spring Courses</b>	
Language Course (Area IV and Franklin Requirement)	3	PSYC 4100	3
PHIL/ARTI 3550	3	Foundations Areas (2 courses)	6
Foundations Areas (1 course)	3	CSCI 2720	4
CSCI 1730	4	General Elective	3
Multicultural Course (Franklin Requirement)	3		
	Hours	16	Hours
			16
YEAR FOUR			
<b>Fall Courses</b>		<b>Spring Courses</b>	
<u>PHIL/LING 6510</u>	<u>3</u>	<u>Foundations Area/ MS Group A or B (2 courses)</u>	<u>6</u>
<u>CSCI/PHIL 6550</u>	<u>3</u>	General Elective (Undergraduate Level)	9
General Elective (Undergraduate Level)	9		
	Hours	15	Hours
			15
YEAR FIVE			
<b>Fall Courses</b>		<b>Spring Courses</b>	
CSCI 6380	4	CSCI 8050	4
CSCI/ARTI 6540	3	CSCI/LING 8570	4
CSCI 6360	4	ARTI 7000	4
ARTI 7000	4	ARTI 7300	3
ARTI 8800	1		
	Hours	16	Hours
			15

*Underlined Courses are graduate courses used to satisfy undergraduate degree program requirements*

#### Foundations Areas

Artificial Intelligence, Philosophy, Psychology, and Language and Culture. BA students must choose at least five courses totaling 12 upper-division hours from these areas, with at least two classes in each of two selected Foundation Areas. A full list of these classes is available on the bulletin. <http://bulletin.uga.edu/MajorSpecific.aspx?MajorId=44>

### **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 Artificial Intelligence Institute.

- Include specific admittance requirements, such as coursework, GPA, and required tests.

Additional requirements include an overall undergraduate GPA of 3.2, and an ACT or SAT score that places them at or above the 70<sup>th</sup> percentile.

- 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:

- *GRE Scores:* Applicants must report GRE scores, which will be evaluated competitively.
- *GPA:* Minimum cumulative undergraduate GPA of 3.2 for all courses taken.
- *TOEFL:* Foreign applicants must report TOEFL scores that are within 5 years from the date of application.

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

#### **Career and Academic Opportunities**

Students who complete the Cognitive Science (A.B.)/Artificial Intelligence (M.S.) Double Dawgs degree combination have numerous career opportunities in industry as well as academia. The students can find employment in companies, research centers or labs which focus on Machine Learning, Data Mining, Data analytics, Big Data, Incremental and Deep learning as well as several other specialties. Students can also pursue Ph.D. or other advanced degrees in numerous areas including Artificial Intelligence, Machine Learning, Computer Science, Data Science, Cognitive Science, Educational Technology, Cognitive Psychology, Cognitive Philosophy, or Cognitive Neuroscience.

#### **Resources:**

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

No additional resources are required.

*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](mailto:currsys@uga.edu) or 319 New College.*

## University of Georgia - Undergraduate/Graduate Dual Degree Pathway Proposal

### Signature Page

Dual Degree Program (Majors and Degrees): AB-Cognitive Science/ MS –Artificial Intelligence

(Example: Accounting BBA/Accounting MAcc)

Effective Date for Dual Degree Program: Fall 2017

*Dual degree pathway proposals must be approved by each unit involved in offering the pathway. 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: Artificial Intelligence

Department Head Name (print): Dr. Khaled Rasheed

Department Head (sign & date): \_\_\_\_\_

#### **Undergraduate Major School/College**

School/College Name: Franklin College of Arts & Sciences

Dean Name (print): Dean Alan Dorsey

Dean (sign & date): \_\_\_\_\_

-----

#### **Graduate Major Department**

Department Name: Artificial Intelligence

Department Head Name (print): Dr. Khaled Rasheed

Department Head (sign & date): \_\_\_\_\_

#### **Graduate Major School/College**

School/College Name: Franklin College of Arts & Sciences

Dean Name (print): Dean Alan Dorsey

Dean (sign & date): \_\_\_\_\_

*Completed and signed dual degree pathway proposal forms should be submitted to the Office of Curriculum Systems at [currsys@uga.edu](mailto:currsys@uga.edu) or 319 New College.*