Cover Sheet: Request 15810

Innovation Minor - Artificial Intelligence Track

Info

Process	Minor|Modify/Ugrad
Status	Pending at PV - University Curriculum Committee (UCC)
Submitter	Jeffrey Citty jcitty@aa.ufl.edu
Created	2/8/2021 10:50:50 AM
Updated	2/19/2021 12:26:48 PM
Description of request	Addition of an Artificial Intelligence (AI) track to the Innovation minor that provides Innovation Academy students with the fundamentals of creativity, design-thinking, entrepreneurship, AI fundamentals, ethical issues related to data science and application of AI in a semester project.

Actions

Step	Status	Group	User	Comment	Updated
Department	Approved	CLAS - Innovation Academy 02070400	Jeffrey Citty		2/9/2021
Innovation Minor w_AI Track UCC.docx D.Reed External Consult.pdf External-Consult.pdf					2/8/2021 2/9/2021 2/9/2021
College	Approved	CLAS - College of Liberal Arts and Sciences	Joseph Spillane		2/9/2021
No document changes					
Associate Provost for Undergraduate Affairs	Approved	PV - Associate Provost for Undergraduate Affairs	Casey Griffith		2/19/2021
No document changes					
University Curriculum Committee	Pending	PV - University Curriculum Committee (UCC)			2/19/2021
No document changes					
Office of the Registrar					
No document changes					
Student Academic Support System					
No document changes					
Catalog					
No document changes					
College Notified					
No document changes					

Minor|Modify for request 15810

Info

Request: Innovation Minor - Artificial Intelligence Track
Description of request: Addition of an Artificial Intelligence (AI) track to the Innovation minor that provides Innovation Academy students with the fundamentals of creativity, design-thinking, entrepreneurship, AI fundamentals, ethical issues related to data science and application of AI in a semester project.
Submitter: Jeffrey Citty jcitty@aa.ufl.edu
Created: 2/9/2021 8:58:11 AM
Form version: 2

Responses

Name
Enter the name of the minor.

>Response:
>Innovation

Code
Enter the two or three letter specialization code that identifies the minor in the student information system.

>Response:
>INN

Effective Term
Enter the term (semester and year) at which the modification should be effective.

>Response:
>Earliest Available

Effective Year

>Response:
>Earliest Available

Proposed Changes
Describe the proposed changes to the minor.

>Response:
>Add an Artificial Intelligence track that will provide IA students with the fundamentals of creativity, design, entrepreneurship, artificial intelligence, ethics and a senior project which encompasses all previous minor coursework.

Pedagogical Rationale/Justification
Describe the rationale for the proposed changes.

>Response:

The proposed changes to the minor in Innovation aim to expand the educational experience to include artificial intelligence (AI). The new AI track will offer additional courses in AI Fundamentals, Ethics, Data and Technology and a senior project that will enhance the understanding of AI, its applications to real world problems in various disciplines, and ethical and professional responsibilities of these technologies. The proposed modification to the Innovation minor reflects the opportunity to offer flexibility in areas of study to match students' interest and opportunity to focus on this new area of study.

Impact on Other Programs
Describe any potential impact on other programs or departments, including increased need for general education or common prerequisite courses, or increased need for required or elective courses outside of the existing program.

Response:
The sequencing of courses offered in the additional AI track will not affect the students' ability to graduate in the appropriate length of time and with the required number of credits. Proposed modification to the Innovation minor continues to require courses previously offered courses in the first three semesters and three courses offered in the AI certificate that are built to accommodate capacity and enrollment of IA students, consequently it will not impact other programs or departments negatively.

*IA students who choose the Artificial Intelligence track within the Innovation minor will not be eligible to receive the Artificial Intelligence Fundamentals and Applications Undergraduate Certificate under university policy.

Catalog Copy
Submitter agrees to prepare and upload document showing the catalog copy with the current and proposed curricula edited using the "track changes" feature in Word.

Response:
Yes

Office of the Provost
239B Tigert Hall, University of Florida
PO Box 113175
Gainesville, FL 32611-7800

352-273-0987
352-392-8735 Fax
DLREED@UFL.EDU

February 9, 2021

Dear University Curriculum Committee:

I am writing in support of the proposal to create an Artificial Intelligence (AI) track within the Innovation Academy Minor at UF. As you know, UF is pioneering a new strategy for AI that seeks to spread AI content across the entirety of our curriculum. Whereas Innovation Academy is a great model for research and entrepreneurial expertise gained alongside traditional learning, it is also a great place to insert AI. Innovation Academy students will have the opportunity to learn AI through UF coursework and have the opportunity to apply it in co-curricular and research settings. Whereas students cannot use the same courses to count for this Minor and the newly created AI Certificate (https://www.eng.ufl.edu/eed/programs/undergraduate-certificate-in-ai-fundamentals-and-applications/), I believe the students will have two wonderful choices in front of them and will choose the one that best fits their needs. I fully support this AI track and I know that it will add to a growing portfolio of AI opportunities for students. Thank you for considering the AI track in the Innovation Academy.

Best regards,

David L. Reed
Associate Provost
University of Florida

UNIVERSITY of FLORIDA

External Consultation Results (departments with potential overlap or interest in proposed course, if any)

Department	Name and Title
Phone Number	E-mail

Comments

Department	Name and Title
Phone Number	E-mail

Comments

Department	Name and Title
Phone Number	E-mail

Comments

INNOVATION MINOR

The Innovation minor provides undergraduates in the Innovation Academy an overview of the major functional elements of innovation – creativity, entrepreneurship, ethics, and leadership – and an opportunity to apply them in a multidisciplinary project.

ABOUT THIS PROGRAM

College: Liberal Arts and Sciences

Credits: 15-17 | Completed with minimum grades of C and no S/U

IA Information

Choose to complete a General Concentration or Artificial Intelligence track

- **Track One: General Concentration**
- **Track Two: Artificial Intelligence**

REQUIREMENTS | GENERAL CONCENTRATION | ARTIFICIAL INTELLIGENCE TRACK

- Open only to Innovation Academy students.
- All courses for the minor must be completed at UF.
- Flexible learning courses will not apply toward the minor.
- With advance approval from the Innovation Academy office, additional 2000-level and above courses may be substituted for required courses.

REQUIRED COURSES

Course	Title	Credits
IDS 1940	Creativity in Context	2
IDS 1359	Creativity in Action	2
ENT 3003	Principles of Entrepreneurship	3-4
or EGN 4641	Engineering Entrepreneurship	
AEC 3410	Fostering Innovation through Leadership	3-4
or EGS 4038	Engineering Leadership	
or GEB 3017	Leading Organizations	
PHI 3641	Ethics and Innovation	3
ENT 4015	The Venture Accelerator	2
or IDS 4950	Innovation Academy Senior Project	

General Concentration Track	Credits	Artificial Intelligence Track	Credits	
IDS1940 – Creativity & Design Thinking for Innovation	2	IDS1940 – Creativity & Design Thinking for Innovation	2	Formatted Table
IDS1359 – Innovation in Action	2	IDS1359 – Innovation in Action	2	
ENT3003 – Principles of Entrepreneurship –or–	3-4	EGN4641 – Engineering Entrepreneurship	3	
EGN4641 – Engineering Entrepreneurship				
AEC3410 – Fostering Innovation Through Leadership –or–	3-4	EGN3XXX – AI Fundamentals	3	
EGS 4038 – Engineering Leadership –or–				
GEB 3017 – Leading Organizations				
PHI3641 - Ethics in Innovation	3	PHI3681 – Ethics, Data, and Technology	3	
IDS4950 - IA Senior Project –or–	2	College Specific course – Select one – see below list	3	
ENT4015 – The Venture Accelerator				
TOTAL CREDITS	15-17		16	

Total Credits   15-17

COLLEGE SPECIFIC COURSE

Engineering

- EEE 4773 Fundamentals of Machine Learning (EG-ECE major)
- CAP 3032 Interactive Modeling and Animation 1
- BME 4760 Biomedical Data Science (EG-BME major)

Liberal Arts and Sciences

- CAP 3032 Interactive Modeling and Animation 1

Additional colleges specific courses in development