



NEW/CHANGE PROGRAM REQUEST
Undergraduate Programs

**FLORIDA
ATLANTIC
UNIVERSITY**

Department CEECS
College Engineering and Computer Science

UUPC Approval 10/18/18
UFS Approval _____
Banner Posted _____
Catalog _____

Program Name

Bachelor of Science in Computer Science

New Program

Change Program

Effective Date
(TERM & YEAR)

Fall 2019

Please explain the requested change(s) and offer rationale below or on an attachment

Changes: add CAP 4613 Introduction to Deep Learning as an elective course to the BS degree in Computer Science, as part of the "Applications" electives group.

Rationale: all students must take 9 credits chosen from from the list of elective courses. The Introduction to Deep Learning course prepares students with essential skills in big data analysis that are very much valued by the industry. Machine learning, and in particular deep neuronal networks, has become a major economic engine for companies like Google and Amazon, and has also driven discovery in science domains spanning from healthcare, pharmaceuticals, to physics.

Faculty Contact/Email/Phone

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Consult and list departments that may be affected by the change(s) and attach documentation

CEECS

Approved by

Department Chair [Signature]
College Curriculum Chair [Signature]
College Dean [Signature]
UUPC Chair [Signature]
Undergraduate Studies Dean [Signature]
UFS President _____
Provost _____

Date

9/27/18
10/1/2018
10/1/18
10/9/18

Email this form and attachments to mianning@fau.edu one week before the UUPC meeting so that materials may be viewed on the UUPC website prior to the meeting.