Approved

Curriculum Instructional Council
Actions Approved – September 12, 2019

CONTINUING EDUCATION CURRICULUM

See proposal Impact (PI) reports to view list of courses and/or programs that may be impacted by the following proposed actions.

Computer and Information Science

***660 PROGRAMMING WITH PYTHON I** This course is an introduction to the Python programming language for students without prior programming experience. The course will cover the spectrum of introductory Python programming topics ranging from the essentials of the language, to control statements, functions and modules, working with strings, numbers, and dates and times. Examples and labs used in this course are drawn from diverse areas such as financial data processing, gaming applications and more. Students will be able to use this knowledge to pursue further course of study towards a career in the IT or business industry. (FT)	**Offered At:** Continuing Education **Action(s) Proposed:** New Course ***Approved*** **Originating Campus:** Continuing Education **Effective:** Spring 2020

Computer and Information Science

***661 PROGRAMMING WITH PYTHON II** *Advisory:* COMP 660 Programming with Python I. This course introduces more advanced Python concepts to the learner. Topics covered include data structuring techniques using tuples, lists, and dictionaries, object-oriented programming concepts, and exception handling. Examples and labs used in this course will continue to draw from diverse areas such as financial data processing, gaming applications, and more. Students will be able to use this knowledge to land entry-level positions in such fields as data science, embedded programming, game development, software development, automation, cyber security penetration development, and more. (FT)	**Offered At:** Continuing Education **Action(s) Proposed:** New Course ***Approved*** **Originating Campus:** Continuing Education **Effective:** Spring 2020

Computer and Information Science

***662 PROGRAMMING DATABASES - PYTHON** *Advisory:* COMP 660 Programming with Python I and COMP 661 Programming with Python II. This is an advanced-level course meant to introduce the learner to programming databases with Python. Topics covered include configuring drivers, creating a database, using the Structured Query Language (SQL), coding in Python to retrieve data from and update a database, and use an Object Relational Mapping (ORM) language to simplify coding. Examples used are drawn from diverse areas such as financial data processing, gaming applications, and more. Students will be able to use this knowledge to land intermediate level positions in such fields as data science, embedded programming, data analytics, and more. (FT)	**Offered At:** Continuing Education **Action(s) Proposed:** New Course ***Approved*** **Originating Campus:** Continuing Education **Effective:** Spring 2020

Approved

Curriculum Instructional Council
Actions Approved – September 12, 2019

PROGRAM CHANGES

*Computer and Information Sciences

New Program- *Approved*

Computer and Information Science - Continuing Education: Spring 2020

Certificate of Completion Python Program

*Computer and Information Science

New Program- *Approved*

Computer and Information Science - Continuing Education: Spring 2020

Certificate of Completion Python and Databases Program

*English as a Second Language

New Program- *Approved*

English as a Second Language – Continuing Education: Fall 2019

Certificate of Completion ESL Multilevel Citizenship Program