Department: Computer Science and Information Systems

Program Name: Computer Science-IS Option

Program Level: Undergraduate

College: Business and Economics

Program: Major

Submitted by: Hossein Najafi

Title: Department Chair and Professor

Contact: hossein.najafi@uwrf.edu

Submission Date: August 18, 2017

Program Outcomes

Outcome 1: A graduate will be able to understand how information systems support business operations.

Outcome 2: A graduate will be able to design information systems that meet business requirements.

Outcome 3: A graduate will be able to demonstrate skills in programming using the object-oriented approach to create software applications.

Outcome 4: A graduate will be able to design, implement, and interact with a structured relational database using Graphical User Interface (GUI) and Structured Query Language (SQL).

Outcome 5: A graduate will be able to setup, configure and maintain a computer network.

Outcome 6: A graduate will be able to demonstrate skills in modeling business requirements through systems analysis.

Outcome 7: A graduate will be able to demonstrate knowledge of project management techniques and tools.

Outcome 8: A graduate will be able to demonstrate skills in mapping and improving business processes.
Department: Computer Science and Information Systems

Program Name: Computer Science and Information Systems-CS Option

Program Level: Undergraduate

College: Business and Economics

Program: Major

Submitted by: Hossein Najafi

Title: Department Chair and Professor

Contact: hossein.najafi@uwrf.edu

Submission Date: August 18, 2017

Program Outcomes

Outcome 1: A graduate will be able to utilize Object Oriented Programming techniques to analyze, design and develop software applications.

Outcome 2: A graduate will be able to understand Computer Organization and Assembly Language concepts.

Outcome 3: A graduate will be able to understand Operating Systems concepts.

Outcome 4: A graduate will be able to setup, configure and maintain a computer network.

Outcome 5: A graduate will be able to design, implement, and interact with a structured relational database using GUI and SQL.

Outcome 6: A graduate will be able to recognize security issues and be aware of ways to address malware and intrusions.
Department: Computer Science and Information Systems

Program Name: Computer Science and Information Systems-DS Option

Program Level: Undergraduate

College: Business and Economics

Program: Major

Submitted by: Hossein Najafi

Title: Department Chair and Professor

Contact: hossein.najafi@uwrf.edu

Submission Date: August 18, 2017

Program Outcomes

Outcome 1: A graduate will understand the Big Data phenomenon and its drivers (e.g. Internet of Things), and recognize the challenges of capturing, storage and retrieval of massive data.

Outcome 2: A graduate will gain knowledge about the API ecosystems and data infrastructure that supports the acquisition, storage, retrieval and analysis of massive data.

Outcome 3: A graduate will understand the foundations, frameworks and applications of the emerging field of data science and gain skills in applying data-based analytical approach to identify and solve problems.