**Model Curriculum Worksheet – 05 February 2018 UPDATE (DRAFT)**

CCC Major or Area of Emphasis: \_Information Technology CSU Major or Majors: \_Information and Communication Technologies,

Information Systems, Information Technology

Total units 22-23

*(all units are semester units)*

Degree Type (*indicate one)*: AA-T

**Required Core Courses:**

13 \_units

OR AS-T\_

OR MC X

|  |  |  |
| --- | --- | --- |
| **Title (units)** | **C-ID Designation** | **Rationale** |
| Information & Communication  Technology Essentials (4) | ITIS 110 | Essential Preparation |
| Business Information Systems,  Computer Information Systems (3) | ITIS 120 | Essential Preparation |
| Introduction to Programming Concepts  and Methodologies (3) | ITIS 130 or COMP  112 | Essential Preparation |
| Computer Network Fundamentals (3) | ITIS 150 | Essential Preparation |

**Select 6 units or 2 courses from the following:**

|  |  |  |
| --- | --- | --- |
| Introduction to Systems Analysis and  Design (3) | ITIS 140 | Important Preparation |
| IT Project Management | ITIS 145 | Important Preparation |
| Routing and Switching Essentials (3) | ITIS 151 | Important Preparation |
| Systems and Network Administration (3) | ITIS 155 | Important Preparation |
| Introduction to Information Systems  Security (3) | ITIS 160 | Important Preparation |
| Introduction to Cybersecurity: Ethical  Hacking (3) | ITIS 164 | Important Preparation |
| Digital Forensics Fundamentals (3) | ITIS 165 | Important Preparation |
| Virtualization and Cloud Essentials | ITIS 170 | Important Preparation |
| Introduction to Database Management  Systems (3) | ITIS 180 | Important Preparation |
| Business Communication (3) | BUS 115 | Important Preparation |

**Select 3 - 4 units or 1 course from the following:**

|  |  |  |
| --- | --- | --- |
| Introduction to Statistics (3) | MATH 110 | Also fulfills CSU GE Area B4 |
| Finite Mathematics (3) | MATH 130 | Also fulfills CSU GE Area B4 |
| Business Calculus (3) | MATH 140 | Also fulfills CSU GE Area B4 |
| Single Variable Calculus I Early  Transcendentals (4) | MATH 210 | Also fulfills CSU GE Area B4 |