

Model Curriculum Worksheet – September 2017 UPDATE

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 _____ OR AS-T _____ OR MC X

Required Core Courses:

13 units

Title (units)	C-ID Designation	Rationale
Information & Communication Technology Essentials (4)	ITIS 110	Google Course 1
Business Information Systems, Computer Information Systems (3)	ITIS 120	Essential Preparation
Introduction to Programming Concepts and Methodologies (3)	ITIS 130	Essential Preparation
Computer Network Fundamentals (3)	ITIS 150	Google Course 2

Select 6 units or 2 courses from the following:

Introduction to Systems Analysis and Design (3)	ITIS 140	Important Preparation
IT Project Management (3)*	ITIS 145	Important Preparation
Routing and Switching Essentials (3)	ITIS 151	Important Preparation
Systems and Network Administration (3)	ITIS 155	Google Courses 3 & 4
Introduction to Information Systems Security (3)	ITIS 160	Google Course 5
Cybersecurity Analysis (3)	ITIS 161	Important Preparation
Introduction to Cybersecurity: Ethical Hacking (3)	ITIS 164	Important Preparation
Digital Forensics Fundamentals (3)	ITIS 165	Important Preparation
Virtualization and Cloud Essentials (3)*	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 <u>GE Area B4</u>
Finite Mathematics (3)	MATH 130	Also fulfills CSU <u>GE Area B4</u>
Business Calculus (3)	MATH 140	Also fulfills CSU <u>GE Area B4</u>
Single Variable Calculus I Early Transcendentals (4)	MATH 210	Also fulfills CSU <u>GE Area B4</u>

Highlighted: *Required for credit course work for Google's IT Support Professional Certification.