

**Computer Studies
programs and courses
have Changed !!!**

You will now find us listed in the catalog and class schedules under **COMPUTER SCIENCE** with a new discipline code of **COMP** (changed from **COMS**)

These are the NEW Programs and Courses that start Fall 2014.

Associate in Science in Computer Science for Transfer - 28 units

BC Descriptor	Course Description	Units	Notes
COMP B11	Programming Concepts and Methodologies I	3	Prereq: Reading – 1 level prior to transfer & Math – 1 level prior to transfer
COMP B12	Programming Concepts and Methodologies II	3	Prereq: COMP B11
COMP B13	Computer Architecture & Organization	3	Prereq: COMP B11
COMP B14	Discrete Structures	3	Prereq: COMP B11
MATH B6a	Analytic Geometry and Calculus I	4	Prereq: MATH B1b
MATH B6b	Analytic Geometry and Calculus II	4	Prereq: MATH B6a
PHYS B4a	Mechanics and Wave Motion	4	Prereq: MATH B6a
PHYS B4b	Heat, Electricity, and Magnetism	4	Prereq: PHYS B4a

Certificate of Achievement in Web Development - 18 Units

Required courses - 12 units

BC Descriptor	BC Course Description	Units	Notes
COMP B41	Web Design: Design Tools	3	
COMP B42	Web Design: HTML & CSS	3	
COMP B43	Web Design: JavaScript	3	Prereq: COMP B42
COMP B94	Web Design: PHP & MySQL	3	Prereq: COMP B42
<i>Electives – 6 Units</i>			
COMP B2 or COMP B3	Introduction to Computers OR Computer Concepts and Survival Skills	3	
COMP B10	Introduction to Programming Methodologies using Python	3	
COMP B11	Programming Concepts and Methodologies I	3	Prereq: Reading – 1 level prior to transfer & Math – 1 level prior to transfer
COMP B21	Database Systems – Design & Structured Query Language (SQL)	3	
COMP B31	CompTIA Network Security - Security+	3	
COMP B32	CompTIA Linux+	3	
COMP B33	CompTIA Networking Technologies - Network+	3	

CoA - CompTIA - 18 Units

Required Courses - 12 Units

BC Descriptor	BC Course Description	Units	Notes
COMP B31	CompTIA Network Security - Security+	3	
COMP B32	CompTIA Linux+	3	
COMP B33	CompTIA Networking Technologies - Network+	3	
COMP B84	CompTIA A+	4	

Electives - 6 Units

COMP B2 or COMP B3	Introduction to Computer Information Systems OR Computer Concepts and Survival Skills	3	
COMP B10 COMP B11	Introduction to Programming Methodologies using Python Programming Concepts and Methodologies I	3 3	Prereqs: Reading – 1 level prior to transfer & Math – 1 level prior to transfer
COMP B21	Database Systems – Design & Structured Query Language (SQL)	3	

CoA - Software Development - 18 Units

Required Courses - 12 Units

BC Descriptor	BC Course Description	Units	Notes
COMP B10	Introduction to Programming Methodologies using Python	3	
COMP B11	Programming Concepts and Methodologies I	3	Prereqs: Reading – 1 level prior to transfer & Math – 1 level prior to transfer
COMP B21	Database Systems – Design & Structured Query Language (SQL)	3	
COMP B72	Applied Software Design	3	Prereqs: COMP B10, B11, B21

Electives - 6 Units

COMP B2	Introduction to Computer Information Systems	3	
COMP B12	Programming Concepts and Methodologies II	3	Prereq: COMP B11
COMP B13	Computer Architecture & Organization	3	Prereq: COMP B11
COMP B31	CompTIA Network Security - Security+	3	
COMP B32	CompTIA Linux+	3	
COMP B42	Web Design: HTML & CSS	3	
COMP B43	Web Design: JavaScript	3	Prereq: COMP B42
COMP B94	Web Design: PHP & MySQL	3	Prereq: COMP B42

ENTIRE COMPUTER SCIENCE COURSE LISTING

BC Descriptor	BC Course Description	Units	Notes
COMP B2	Introduction to Computers	3	
COMP B3	Computer Concepts and Survival Skills	3	
COMP B5	Introduction to Microsoft Office	3	
COMP B10	Introduction to Programming Methodologies using Python	3	
COMP B11	Programming Concepts and Methodologies I	3	Prereq: Reading – 1 level prior to transfer & Math – 1 level prior to transfer
COMP B12	Programming Concepts and Methodologies II	3	Prereq: COMP B11
COMP B13	Computer Architecture & Organization	3	Prereq: COMP B11
COMP B14	Discrete Structures	3	Prereq: COMP B11
COMP B21	Database Systems – Design & Structured Query Language (SQL)	3	
COMP B31	CompTIA Network Security - Security+	3	
COMP B32	CompTIA Linux+	3	
COMS B33	CompTIA Networking Technologies - Network+	3	
COMP B41	Web Design: Design Tools	3	
COMP B42	Web Design: HTML & CSS	3	
COMP B43	Web Design: JavaScript	3	Prereq: COMP B42
COMP B72	Applied Software Design	3	Prereqs: COMP B10, B11, B21
COMP B84	CompTIA A+	4	
COMP B94	Web Design: PHP & MySQL	3	Prereq: COMP B42