

BAY AREA COMMUNITY COLLEGE CONSORTIUM
REQUEST FOR PROGRAM ENDORSEMENT - NEW CREDIT PROGRAM



Complete (maximum 3 pages) and Email this document to: mail@baccc.net **CC:** Rock Pfotenhauer, Chair, Bay Area Community College Consortium, rock@baccc.net; (831) 479-6482 and Kit O'Doherty, kitodoherty@gmail.com; (650) 560-9798. Write REQUEST FOR PROGRAM ENDORSEMENT in the subject line of your email. Your email constitutes a request for Program Endorsement at the closest BACCC meeting for which the [deadline for submission](#) has been met.

<p><u>Information Technology</u> <small>PROPOSED PROGRAM TITLE</small></p> <p><u>Chabot College</u> <small>COLLEGE</small></p> <p><u>Chabot Las-Positas CCD</u> <small>DISTRICT</small></p> <p><u>Fall 2017</u> <small>PROJECTED PROGRAM START DATE</small></p> <p>GOAL(S) OF PROGRAM (CHECK ALL THAT APPLY): <input checked="" type="checkbox"/> CAREER TECHNICAL EDUCATION (CTE) <input type="checkbox"/> TRANSFER <input type="checkbox"/> OTHER</p> <p>TYPE OF PROGRAM (CHECK ALL THAT APPLY): <input type="checkbox"/> A.A. DEGREE <input checked="" type="checkbox"/> A.S. DEGREE <input checked="" type="checkbox"/> CERTIFICATE OF ACHIEVEMENT: <input checked="" type="checkbox"/> 18+ semester (or 27+ quarter) units 12-18 semester (or 18-27 quarter) units</p>	<p><u>Mon Khat</u> <small>CONTACT PERSON</small></p> <p><u>Instructor</u> <small>TITLE</small></p> <p><u>510-723-6755</u> <small>PHONE NUMBER</small></p> <p><u>mkhat@chabotcollege.edu</u> <small>E-MAIL ADDRESS</small></p>
--	---

Recommended T.O.P. Code	070100
Units for Major-Degree	19
Total Units for Degree	60
Required Units - Certificate	22

1. Insert the description of the program as it will appear in the catalog:

The Associate's degree in Information Technology prepares students to either enter the workforce as an entry-level computer or network support technician or pursue a bachelor's degree in management information systems.

Computer support technicians provide technical assistance to computer users. They may answer questions or resolve computer problems for clients in person, or via telephone or electronically. They may provide assistance concerning the use of computer hardware and software, including printing, installation, word processing, electronic mail, and operating systems. Computer network technicians analyze, test, troubleshoot, and evaluate existing network systems, such as local area network (LAN), wide area network (WAN), and Internet systems or a segment of a network system. Perform network maintenance to ensure networks operate correctly with minimal interruption.

Graduates of the A.S. Information Technology are prepared and eligible to sit for CompTIA's A+ Network+, and Linux certification exams. Optional elective courses prep students for CompTIA's Security+, CCENT, CCNA, and EMC.

2. Provide a brief rationale for the program:

The Information Technology degree, offered as part of the Computer Application Systems department, directly supports the College's mission of providing career-entry training and education, economic development and College Goal 2. Additionally the programs supports both the state of California and the California Community College's mission for Career & Technical Education (CTE) along with Career Advancement.

Two other programs at Chabot that focus on computer technology education is the Computer Science program that sits at the development end of the spectrum and the Computer Software Specialist program that sits at the end user side. The A.S. in Information Technology will fill the middle role in computer technology education focuses on information systems supportive technologies such as networking, cyber security & cloud computing.

3. List all courses required for program completion, including core requirements, restricted electives and prerequisites.

Required Core Courses: 4 Courses, 13 Units

Title (units)	Course #	C-ID Designation	Rationale	Course Sequence
Introduction to Computer Application Systems (3)	CAS 50	ITIS 120	Essential Preparation	Year 1, Fall
Intro to Linux/Unix (3)	CAS 74		Essential Preparation	Year 2, Fall
Information & Communication Technology Essentials (4)	CAS 83	ITIS 110	Essential Preparation	Year 1, Spring
Introduction to Networks (3)	CAS 92A	ITIS 150	Essential Preparation	Year 1, Fall

Select one track from the following three options:

Networking: 3 Courses, 9 Units

Routing and Switching Essentials (3)	CAS 92B	ITIS 151	Important Preparation	Year 1, Spring
Scaling Networks (3)	CAS 92C		Important Preparation	Year 2, Fall
Connecting Networks (3)	CAS 92D		Important Preparation	Year 2, Spring

Or

Cyber Security: 3 Courses, 9 Units

Introduction to Information Systems Security (Security+) (3)	CAS 69	ITIS 160	Important Preparation	Year 1, Fall
Introduction to Cybersecurity: Ethical Hacking (White hat Hacker) (3)	CAS 75	ITIS 164	Important Preparation	Year 2, Fall
Wireshark, TCP/IP Analysis and Network (3)	CAS 76		Important Preparation	Year 2, Spring

Or

Cloud Computing: 3 Courses, 9 Units

Routing and Switching Essentials (3)	CAS 92B	ITIS 151	Important Preparation	Year 1, Spring
Cloud Infrastructure and Services (3)	CAS 85		Important Preparation	Year 2, Fall
Information Storage and Management (3)	CAS 86		Important Preparation	Year 2, Spring

4. Summarize the Labor Market outlook (including citation of the source of data) for students exiting the program.

LMI Analysis for Chabot College's Proposed Information Technology Program

Region: Alameda County

Occupation	Annual Demand	Annual Supply*	Annual Gap
Computer User Support Specialists	216	4	Undersupply by 212
Computer Network Support Specialists	48	56	Oversupply by 8
TOTAL	264	60	Undersupply by 204

** Includes Community Colleges and Other Training Providers in Alameda County*

5. List similar programs at other colleges in the service area which may be adversely impacted as follows:

College	Program	Who you contacted	Outcome of contact
Ohlone	Information Technology	Richard Grogute	Supports Chabot's Program Application
Las Positas	Liberal Arts & Sci, Comp Studies	John Gonder	Supports Chabot's Program Application

6. Include other information you would like to share.

I have attended a number of conferences over the past two years that discussed the "State Model Curriculum" in Information Technology where the A.S. degree was discussed in great detail and promoted by many northern CA Community College Faculty & Chancellors Office. This application is culmination of those conferences and my own research into the design and development of the program that Chabot would be able to adequately provide for students. I welcome any suggestions or input. Thank you.