NEW OR MODIFY
PROGRAM CODE

Reset Form

IRAO OFFICE USE ONLY	
Received	6/23/16
In Banner	
MTVCOMP/Codeset	
Master Curriculum	
CIP Code	
Program Code	
Program Description	

[✓] **New Program Code** [ ] **Modify Program Code**   Date: 3/6/2016

REQUESTOR CONTACT INFORMATION

Name	Kathlen Lee	Campus	Kauai CC
Title	Educational Specialist	Email	kathlen@hawaii.edu
Office/Dept	Academic Affairs	Phone	808-245-8204

NEW PROGRAM CODE TO CREATE

Institution KAU - Kauai CC   Campus KAU - Kauai CC

Level UG - Undergraduate   Effective Term Fall 2016

	Code (Max. Characters)	Description	Check if requesting new code:
College	(2) IN	Instructional	[ ] See Banner form STVCOLL
Department	(4) TR	Trade Technology	[ ] See Banner form STVDEPT
Degree/Certificate	(6) CO	Certificate of Competence	[ ] See Banner form STVDEGC
Major	(4) ET	Electronics Technology	[ ] See Banner form STVMAJR
Concentration	(4) NSS	Network Security Specialist	[✓] See Banner form STVMAJR
Minor	(4)		[ ] See Banner form STVMAJR

If a similar major/concentration code exists in Banner, please list the code: _____

Justification to warrant a new major/concentration code similar to an existing major/concentration code:

_____

Is this major/concentration code being used the same way at the other UH campuses? [ ] Yes [✓] No

Should this program be available for applicants to select as their planned course of study [✓] Yes [ ] No
on the online application? *If yes, student may select the code as their only program of study.*

RULES PERTAINING TO FINANCIAL AID AND 150% DIRECT SUBSIDIZED LOAN LIMIT LEGISLATION

Is 50% or greater of the classes in this program offered at a location other than the Home [ ] Yes [✓] No
Campus?

Is this program/major/certificate financial aid eligible? [✓] Yes [ ] No

Does this certificate qualify as a Gainful Employment Program (Title IV-eligible certificate [✓] Yes [ ] No
program)?
See http://www.ifap.ed.gov/GainfulEmploymentInfo/index.html

Program Length
In academic years; decimals are acceptable. The length of the program should match what is published by the campus in any online and/or written publication.   1.5 years

Special Program Designations
See Special Program Designations Code Definitions on IRAO Program Code Request webpage

[ ] A [ ] B [✓] N [ ] P [ ] T [ ] U

Required Terms of Enrollment: [✓] Fall [✓] Spring [ ] Summer [ ] Extended

ADDITIONAL COMMENTS

Requesting to add a new certificate of competence to the Electronics Technology program. Please see the attached Program Action Request form (question #8) for more details about this new track.

ATTACHMENTS

BOR Approved: Associate, Bachelor and Graduate Degrees, and sole credential certificates

☐ BOR Meeting Minutes & Supporting Documents   ☐ Curriculum

Chancellor Approved: Certificates related to authorized BOR program & Associate in Technical Studies (ATS) Degree

☑ Memo from Chancellor to notify VPAA about new program   ☑ Curriculum

> For new certificates approved by the Chancellor, the related BOR authorized academic program is:
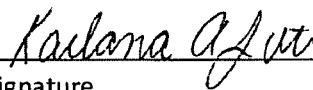> Electronics Technology

VERIFICATIONS

By signing below, I verify that I have reviewed and confirm the above information that is pertinent to my position.

Registrar:

Kailana Soto

Print Name   Signature   Date
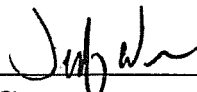
Financial Aid Officer:

Jeff Anderson

Print Name   Signature   Date

For Community Colleges, verification of consultation with OVPCC Academic Affairs:

Suzette Robinson

Print Name   Signature   Date
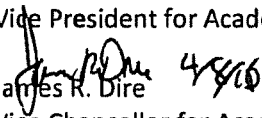
UNIVERSITY of HAWAI'I'

KAUA'I
COMMUNITY COLLEGE

April 8, 2016

MEMORANDUM

TO: Risa E. Dickson
        Vice President for Academic Affairs

VIA: James R. Dire
        Vice Chancellor for Academic Affairs

FROM: Helen A. Cox
        Chancellor

SUBJECT: Curriculum Approval

I have approved the following on 4/4/2016 effective Fall 2016.

New
Electronics Technology
Certificate of Competence (C.O.) – Network Security Specialist

Program certificate/title change
Electronics Technology:
Certificate of Achievement (C.A.) – Network Administrator and Security (previously Cisco
Network and System Administration Administrator)

kl

c   Division Chair
        Gordon Talbo

Kaua'i Community College
University of Hawai'i
Program Action Request

1. Type of Program Action: ☐ New   ☒ Modification   ☐ Deletion

PRESENT	CO (Cisco I)	CO (Cisco II)	CO (Electronics)	CO (Computer Support Specialist)	CA	CA (Cisco Network and System Administration Administrator)	AS	PROPOSED	CO (Cisco I)	CO (Cisco II)	CO (Electronics)	CO (Computer Support Specialist)	CO (Network Security Specialist)	CA	CA (Network Administrator and Security)	AS
ETRO 18			3	3		3		ETRO 18			3	3			3	
ETRO 120					3		3	ETRO 120						3		3
ETRO 120L					1		1	ETRO 120L						1		1
ETRO 121			2		2		2	ETRO 121			2			2		2
ETRO 122					3		3	ETRO 122						3		3
ETRO 122L					1		1	ETRO 122L						1		1
ETRO 140B	3			3		3	3	ETRO 140B	3			3	3		3	3
ETRO 140C	3					3	3	ETRO 140C	3				3		3	3
ETRO 143					3		3	ETRO 143						3		3
ETRO 143L					1		1	ETRO 143L						1		1
ETRO 161							3	ETRO 161								3
ETRO 187				4		4	4	ETRO 187				4	4		4	4
ETRO 240B		3				3	3	ETRO 240B		3					3	3
ETRO 240C		3				3	3	ETRO 240C		3					3	3
ETRO 244						4		ETRO 244					4		4	
ETRO 275						3		ETRO 275					3		3	
ETRO 280							3	ETRO 280								3
ICS 100			3													
ICS 101					3	3	3	ICS 101			3			3	3	3
ICS 111					4		4	ICS 111						4		4
MATH 103							3	MATH 103								3
SCI 122							3	SCI 122								3
SCI 122L							1	SCI 122L								1
Cultural Environment: Core Options							3	Cultural Environment: Core Options								3
Oral Communication: SP 251					3	3	3	Oral Communication: SP 251						3	3	3
Social Environment: Core Options							3	Social Environment: Core Options								3
Written Communication: ENG 100					3	3	3	Written Communication: ENG 100						3	3	3
TOTALS	6	6	8	10	27	35	62	TOTALS	6	6	8	10	17	27	35	62

A.S. DEGREE, Updated Spring 2016		
Category	Cr	Course Options
Cultural Environment	3	Any Humanities course numbered 100 or higher or any DA, DH, or DL designation
Social Environment	3	Any Social Science course numbered 100 or higher or any DS designation

2. **Program Type:**

☐ Associate in Applied Science (AAS)
☐ Associate in Arts (AA)
☐ Associate in Arts–Concentration
☒ Associate in Science (AS)
☐ Associate in Science Natural Sciences–Concentration (ASNS)

☒ Certificate of Achievement (CA)
☒ Certificate of Competence (CO)
☐ Academic Subject Certificate (ASC)

3. **Program Title:** Electronics Technology

4. **Program Description (for catalog):**

Students enrolled in the Electronics Technology program receive an education in basic electronics, computer technology, computer programming, RF and optical systems, and networking that includes knowledge of DC/AC/Semiconductor circuits, digital electronics, lasers, computers, and networks. Graduates may enter the workforce as entry-level technicians or continue their education in Electronics or Computer Engineering Technology baccalaureate programs.

Program Admission Requirements:

(1) Placement in ENG 100; (2) "C" or higher in MATH 82X or placement in MATH 103; or (3) approval of instructor.

Graduation Requirements:

None.

5. **List Program Student Learning Outcomes** that were approved by the Assessment Committee on 9/3/14:
   1. Demonstrate an appropriate mastery of the knowledge, techniques, and skills in the use of contemporary tools of electronics technology.
   2. Demonstrate theoretical and technical knowledge of components, systems, and control processes that govern the outcomes of systems for purposes of operation, maintenance, and improvement.
   3. Apply current technical knowledge in the analysis and solution of technical problems.
   4. Function effectively on teams interacting with all levels of personnel, fully participating, and adding to the dynamics of the group.
   5. Communicate effectively orally, in writing, and by means of the various electronic communication devices.
   6. Exhibit professional, ethical, and social responsibilities showing a respect for diversity and an awareness of contemporary professional, societal, and global issues.

7. Explain the importance of commitment to quality, timeliness, and continuous professional improvement in adapting to emerging technologies.

6.   Proposed Date of First Offering: Fall 2016

7.   Is this program offered at another UH campus? ☒ Yes   ☐ No
If **Yes,** specify campus. If **No,** why is this program offered at KCC:

Hawai'i Community College and UH Maui College.

8.   Reason for this Program Action:

The Cisco Network Administrator Certificate of Achievement (CA) has been changed to Network Administrator and Security CA. As part of the Cyber Security program associated with the TAACCCT-IV grant (2014-2018), the grant team recommended this name change to better identify the purpose of the CA. In addition, the name change will represent the student to potential employers more effectively.

The proposed Network Security Specialist Certificate of Competence (CO) was proposed as part of the TAACCCT-IV grant that was approved for the 2014-15 year. The grant is directed at enhancing the much needed Cyber Security opportunities at Kaua'i Community College. The purpose of this CO is to provide the knowledge and skills to prepare students for an entry level Network Security position. This CO is a subset of the Network Administrator and Security CA for students who are upgrading their skill set in cyber security or just enhancing their résumé for an entry level position. The goal of this CO is to encourage students to continue on to the CA, and eventually to the AS in Electronics Technology.

9.   Board of Regents Approval Needed: ☐ Yes   ☒ No

10. Indicate the number of semesters required to complete each certificate and degree.

Certificate/Degree	Number of Semesters
Cisco I CO	2
Cisco II CO	2
Electronics CO	1
Computer Support Specialist CO	1
Network Security Specialist CO	3
Electronics CA	4
Network Administrator and Security CA	4
Electronics AS	4

11. Program Course Sequencing: Complete one for each certificate/degree if sequencing is not provided with question #1.

Cisco I Certificate of Competence	
Fall Semester 1	
Course Alpha/No.	Credits
ETRO 140B	3
Spring Semester 2	
ETRO 140C	3

Cisco II Certificate of Competence	
Fall Semester 1	
Course Alpha/No.	Credits
ETRO 240B	3
Spring Semester 2	
ETRO 240C	3

Electronics Certificate of Competence	
Fall Semester 1	
Course Alpha/No.	Credits
ETRO 18	3
ETRO 121	2
ICS 101	3

Computer Support Specialist Certificate of Competence	
Fall Semester 1	
Course Alpha/No.	Credits
ETRO 18	3
ETRO 140B	3
ETRO 187	4

Network Security Specialist Certificate of Competence	
Fall Semester 1	
Course Alpha/No.	Credits
ETRO 140B	3
ETRO 187	4
Spring Semester 2	
ETRO 140C	3
ETRO 275	3
Spring Semester 3	
ETRO 244	4

Electronics Certificate of Achievement	
Fall Semester 1	
Course Alpha/No.	Credits
ETRO 143	3
ETRO 143L	1
ICS 101	3
SP 251	3
Spring Semester 2	
ENG 100	3
ICS 111	4
Fall Semester 3	
ETRO 120	3
ETRO 120L	1
ETRO 121	2
Spring Semester 4	
ETRO 122	3
ETRO 122L	1

Network Administrator and Security Certificate of Achievement	
Fall Semester 1	
Course Alpha/No.	Credits
ENG 100	3
ETRO 140B	3
ICS 101	3
Spring Semester 2	
ETRO 18	3
ETRO 140C	3
Fall Semester 3	
ETRO 187	4
ETRO 240B	3
SP 251	3
Spring Semester 4	
ETRO 240C	3
ETRO 244	4
ETRO 275	3

Electronics Associate in Science Degree	
Fall Semester 1	
Course Alpha/No.	Credits
ETRO 140B	3
ETRO 143	3
ETRO 143L	1
ICS 101	3
MATH 103	3
SP 251	3
Spring Semester 2	
ETRO 140C	3
ETRO 280	3
ICS 111	4
SCI 122	3
SCI 122L	1
Social Environment: Core Options	3
Fall Semester 3	
ENG 100	3
ETRO 120	3
ETRO 120L	1
ETRO 121	2
ETRO 187	4
ETRO 240B	3
Spring Semester 4	
Cultural Environment: Core Options	3
ETRO 122	3
ETRO 122L	1
ETRO 161	3
ETRO 240C	3

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Rev. 10/23/15

PROGRAM ACTION REQUEST APPROVAL

PROGRAM: Electronics Technology Certificates of Competence, Certificates of Achievement, and Associate in Science Degree

Effective date: Fall 2016

PSLOs Approved by: _____

Assessment Committee Chairperson   Date

Proposed by: _____

Originator   Date

Requested by: _____

Department/Division Chairperson   Date

Approved by: _____

Curriculum Committee Chairperson   Date

_____

Vice Chancellor for Academic Affairs   Date

_____

Chancellor   Date