Program Information Report

Science, Computer Technology, Engineering & Math

Computer Networking Operating Systems (CVCNOR)

Advanced Certificate

Program Effective Term: Fall 2022

High Demand Occupation High Skill Occupation High Wage Occupation

This program lays a foundation in preparation for a profession as a Microsoft Certified IT Professional. Students will install, configure, and troubleshoot Microsoft Client Server Networks. The program is designed to deploy and manage both Windows Server and Client Workstations in simulated real-life situations. Administering, managing, monitoring, and troubleshooting of Server Active Directory, Network Services, and other Server functions are all emphasized. All Server configured activities are tested out using Client Workstations to ensure they work, just as in a real business environment. The program is structured for those who are working towards Microsoft Server certifications. Also those already having certification who want to enhance their knowledge with the newer operating systems, as well as those who may just want to learn how to effectively implement these technologies are welcome.

Program Admission Requirements:

Completion of the Computer Systems Technology Program (CTCSTC) or CST 160 and CST 185 with a minimum grade of "C," passing the COMPTIA certification, or equivalent industry experience.

Major/Area	Requirements	(15 credits)
CNT 201	Administering Microsoft Windows Client Operating Systems	3
CNT 211	Installation, Storage, and Compute - Windows Server	4
CNT 223	Networking with Windows Server	4
CNT 224	Identity with Windows Server	4

Minimum Credits Required for the Program:

15

Notes:

This program is designed to be completed in a two semester time frame.

WASHTENAW COMMUNITY COLLEGE

PROGRAM CHANGE FORM

Program Code: CVCNO Current Program Name: Computer Networking Operating Systems 1			Effective Terr	m: SS 2022
Division Code: BCT	Department: CSIT			
 Directions: Attach the current program listing from the WCC catalog or website and indicate any changes to be made. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using CurricUNET, but should be submitted at the same time as the program change form. If changes affect the program assessment plan or if program outcomes are updated, please submit a Program Assessment Plan Change form. These changes must be approved separately from the program change form and should be submitted at the same time. Current program assessment plans can be found on the Curriculum and Assessment Program Information page. 				
Requested Changes:				
□ Remove course(s): □ Program outcomes (may also result from removing or adding a course)* □ Program title (new title is Computer Networking Operating Systems) □ Program assessment plan* □ Description □ Other □ Advisors □ Other □ Program outcomes (may also result from removing or adding a course)* □ Program assessment plan* □ Other ■ Other ■ Note: A change to the Award Type requires the submission of a new program proposal form and a separate program inactivation form. Contact the Director of Curriculum & Assessment for more information.				
Rationale for proposed chan	ges:			
Remove the number 1 from the padvanced certificate. Therefore, to f program certificates.				
Financial/staffing/equipment	/space implications:			
None				
List departments that have be This only affects our department	9	heir use of this pr	ogram.	
Signatures:				
Reviewer	Print Name	Signati	ıre	Date
Initiator	John Trame	John ramy		1/27/2022
Department Chair	y cottora per	() COUCH	raper.	11 28 12000
Please return completed form to the Office of Curriculum & Assessment, SC 257 or by e-mail to curriculum assessment@wccnet.edu				

WASHTENAW COMMUNITY COLLEGE

PROGRAM CHANGE FORM

Once reviewed by the appropriate faculty committees we will secure the signature of the VPI and President.			
Reviewer	Print Name	Signature	Date
Curriculum Committee Chair	Randy Van Wagnen	RVanh	3-1-22
Assessment Committee Chair	Shawn Deron	\sim	3/03/2022
Vice President for Instruction	Kimberly Hurns	KimMH-	
Do not write in shaded area. Entered in: Banner C&A Database Log File			

Reviewed by C&A Committees 2/17/22

PROGRAM CHANGE OR DISCONTINUATION FORM

Program Code

Program Name: Computer Networking Operating Systems I

Effective Term: FALL 2009

CVCNO

Division Code: BCT

Department: Business

Directions:

- 1. Attach the current program listing from the WCC catalog or Web site and indicate any changes to be made.
- 2. Draw lines through any text that should be deleted and write in additions. Extensive narrative changes can be included on a separate sheet.
- 3. Check the boxes below for each type of change being proposed. Changes to courses, discontinuing a course, or adding new courses as part of the proposed program change, must be approved separately using a Master Syllabus form, but should be submitted at the same time as the program change form.

should be submitted at the same time as the program change to	erm.
Requested Changes:	
	_
Review MR emove course(s): CA)T 3.31	Program admission requirements
Kilkelilove course(s). Co ZZI	Continuing eligibility requirements
Add course(s): CNT223	Program outcomes
Program title (title was)	Accreditation information
Description	Discontinuation (attach program discontinuation
Type of award	plan that includes transition of students and timetable
Advisors LISTED ON WEB	for phasing out courses)
Articulation information	Other DEPARTMENTS LISTED
	ONWEB
Show all changes on the <u>attached page from the catalog</u> .	

Rationale for proposed changes or discontinuation: Beginning with Server 2008's introduction, Microsoft has completely changed the Certification Requirements for IT personnel involved with their Server products. In contrast with the 4 – Step process with the Server 2003 MCSA (Microsoft Certified System Administrator), the new program requires two MCTS (Microsoft Certified Technology Specialist) exams and one MCITP (Microsoft Certified Information Technology Professional) resulting in the new MCITP Server Enterprise Certification. Our present CNT211 course, Server Management, which is already largely Active Directory based, will be altered slightly to meet one of the MCTS requirements, "Configuring Windows Server 2008 Active Directory". The present CNT224 course will be also be altered to meet the MCITP requirement – Windows Server 2008 Administration. A new course CNT223, (Configuring Windows Server 2008 Network Infrastructure), will replace CNT221. This course contains the same elements from CNT221, but adds considerable additional material previously covered in the existing CNT211 and CNT224 courses which Microsoft now covers in the Network Infrastructure venue. The fourth course presently in this program, XP Administration, will not be changed to Vista, but will be altered at the time of Introduction of "Windows 7" next year. This is in line with present business practices, as most organizations have opted to stay with Windows XP because of problems and complexity involved with the switch to VISTA, and the relatively short time frame for its replacement.

Financial/staffing/equipment/space implications:

No Financial, staffing, or space implications. Possibly some additional equipment purchases which will be handled within the Department's budget.

List departments that have been consulted regarding their use of this program.

These changes could impact both CIS and CSS programs. This proposed change has been given to Neil Gudsen, who represents the CIS/CSS programs.

Signatures:			
Reviewer	Print Name	Signature	Date
Initiator	Wyllian Recher	hullestal	11/20/08
Department Chair	Daly Downey	Dary Downey	11/25/08
Division Dean/Administrator	FORMARY WILSON	Trapion Wilson	11/25/08
Vice President for Instruction		March M. Celas.	1/23/08
President	1/20		1

Please submit completed form to the Office of Curriculum and Assessment and email to electronic copy to sjohn@wccnet.edu for posting on the website.

Examination.

SCHOOL OF INFORMATION Community College | TECHNOLOGY

Computer Networking Academy I (CVCNA1)

Advanced Certificate

- Inv/Area B	equirements	•	(16 credits)
CNT 206 CNT 216 CNT 226 CNT 236	Internetworking I - Fundamentals Internetworking II - Routers Internetworking III - Switches Internetworking IV - WANs		4 4 4
Minimum Cr	edits Required for the Program:		16

Computer Networking Academy I (CVCNA1) This Cisco Networking Academy program prepares students for a job as a network technician where they will install, configure, and troubleshoot Local Area Networks under the supervision of a network administrator. The focus is placed on cabling systems and internetworking hardware. It also gives students the knowledge they'll need

Program Admission Requirements: Students must complete the Computer Systems Technology (CTCSTC) Certificate with a GPA of 2.0 or better or have equivalent industry experience to be admitted into the program.

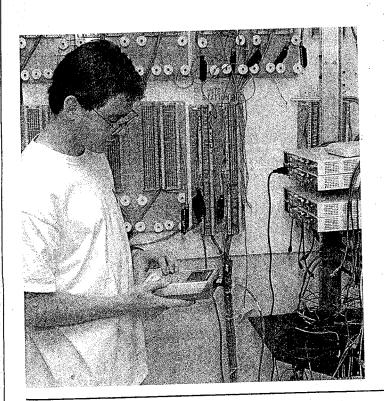
to pass the Cisco Certified Network Associate

Computer Networking Operating Systems I (CVCNO)

Advanced Certificate

(14 credits) Major/Area Requirements Administering Microsoft Windows XP Professional **CNT 201** Administering and Managing Microsoft Windows Server **CNT 211** Implementing a Windows Server 2003 Network Infrastructure CNT 221 0 R Microsoft ISA Administration CNT223 Configuring Windows Server 2008 Network Infrastructure 4 Minimum Credits Required for the Program:

This program is designed to be completed in a two semester time frame.



Computer Networking Operating Systems I (CVCNO)

This program lays a foundation in preparation for a profession as a Microsoft Certified IT Professional. Students will install, configure, and troubleshoot Microsoft Client Server Networks. The program is designed to deploy and manage both Windows Server 2003 and Server 2008 with XP Client Workstations in simulated real-life situations. Administering, managing, monitoring, and troubleshooting of Server 2008 Active Directory, Network Services, and other Server functions are all emphasized. All Server configured activities are tested out using Client Workstations to insure they work, just as in a real business environment. The program is structured for both those who are working towards Microsoft Server 2003 MCSA/MCSE certifications, and/or Server 2008 MCTS/MCITP certifications. Also those already having certification who want to enhance their knowledge with the newer operating systems, as well as those who may just want to learn how to effectively implement these technologies are welcome.

Computer Networking Operating Systems I (CVCNO)

Advanced Certificate

Contact Information:

Division: Business and Computer Technologies **School:** School of Information Technology

Department: Computer Instruction and Electricity/Electronics

Advisors: Michael Galea, James Lewis, William Reichert, John Trame



Major/Ar	ea F	Requirements	(14 Credits)
CNT 201		Administering Microsoft Windows XP Professional	3
CNT 211		Administering and Managing Microsoft Windows Server	4
CNT 221	<u>or</u>	Implementing a Windows Server 2003 Network Infrastructure	
CNT 223		Windows Server Networking Infrastructure Configuration	<u>3-4</u>
CNT 224		Microsoft ISA Administration	4

Minimum Credits Required for the Program:

14 Credits

Underlined text above is new.

Program Description:

This program lays the foundation in preparation for a professional as a Microsoft Certified IT Professional. Students will install, configure, and troubleshoot Microsoft Client Server Networks. The program is designed to deploy and manage both Windows Server 2003 and Server 2008 with XP Client Workstations in simulated real-life situations. Administering, managing, monitoring, and troubleshooting of Server 2008 Active Directory, Network Services, and other Server functions are all emphasized. All Server configured activities are tested out using Client Workstations to insure they work, just as in a real business environment. The program is structured for both those who are working towards Microsoft Server 2003 MCSA/MCSE certifications, and/or Server 2008 MCTS/MCITP certifications. Also, those already having certification who want to enhance their knowledge with the newer operating systems, as well as those who may just want to learn how to effectively implement these technologies are welcome.

PROGRAM CHANGE FORM

CVCNOX	Program Name:	working Operating Sys	stems I	Effective Term: Fall 2004
Directions: 1)/	Attach the current pr	rogram listing from the WCC	C catalog and indicate a	ny changes that you would like
2.)	to make. Draw lines through	anything that should be dele	eted and write in addition	ons. Extensive narrative changes
3.)	Check the boxes be	· · · · · · · · · · · · · · · · · · ·	ne annioved scharatery using	a course symmetric in the
1. Requested Ch	anges:			
Change Cours	rse(s)	After Changes ping	Program A	n Information dmission Requirements Eligibility Requirements ive Courses
Show all changes	on the attached progra	nm sheet.		
the MCSA certi requirements "A certification req course in two o Server, 2000, an	Ification. The chang Administering Wind quirement, and addir f the five areas, cho nd Exchange 2003.	ows 2000 Server" with the " ng an elective which can be cosing the most popular and to	Managing Windows 20	as changed their requirements for systems, but the combining of two 1000 Server" into a single ent areas. We will be offering a ses - Internet and Acceleration
4. Has the dep	artment consulted	with all departments that	may be impacted?	Yes No NA NA
**REMIND	ER: Please incl	ude the current progra	m sheet with all c	hanges listed.
Signatures:	viewer	Print Name	Signati	ure Date
		William R. Reichert	Lul X	Jus glulo:
Program Change		GARY DOWNEN	Dary E	Zownen 9/17/0
Department Chai Division Dean/A		Remora Wilson	Torquet	Jugar 10/6/02
*Please submit com	President, Instruction pleted form to the Office			1900 1 1/27/0)
Access Pr	rogram File 3/10	orms\Program Change Form v2.3.doc/ Log Dean, Curriculum Files sions, Student Records	6/18/02 Copied and Returned	File Name: MCSAProgChange2.doc

Computer Networking Operating Systems I (CVCNO) **Advanced Certificate**

Program Effective Term: Fall 2004

This program lays a foundation in preparation for a profession as a Microsoft Certified Systems Administrator (MCSA) where you will install, configure, and troubleshoot Microsoft client-server networks. The program is designed to deploy and manage Windows 2003/XP components in real life situations. Installing, configuring, testing, managing, monitoring, and troubleshooting of the Windows 2003/XP systems are all emphasized. Most importantly, specific activities are tested out on workstations to insure they work just as in a real business environment. The program is for both those who are working towards Microsoft certifications i.e., MCSA, MCSE and those who may already have the certifications and want to learn how to implement these technologies. Individuals who have an interest in learning Windows 2003/XP technologies are also welcome.

Program Admission Requirements:

Completion of the Computer Systems Technology Program (CTCSTC) or (CST 150 and CST 225) with a minimum grade of "C", passing the COMPTIA certification, or equivalent industry experience is required for admission to the program.

Maior/A	rea Requirements (14 credits)
CNT 201	Administering Microsoft Windows XP Professional	3
CNT 201	Administering and Managing Microsoft Windows 20	03 4
CNT 221	Server Implementing a Windows Server 2003 Network	3
CNT 224	Infrastructure Microsoft ISA Administration	4

14 Minimum Credits Required for the Program:

Notes:

^{*}This program is designed to be completed in a two semester time frame.

^{**}One course must be taken as part of the Computer Networking Operating Systems I program and the other course must be used with the Computer Networking Operating Systems II program.

Washtenaw Community College Program Change Request Form

CILICATOR	ogram Name: Computer Networking (operating systems	ve Term: Fall 02
Attach the current program list lines through anything that shou	ting from the WCC catalog and indicate uld be removed and write in any addition boxes below for each type of change be currently exist) as part of this proposal, the	eing proposed. If you are making	changes to courses or
1. Requested Changes:			
 ☑Remove Four Course(s) ☑Add One Course(s) ☑Increase/Decrease Total Credit ☐Course Sequence 	s: Current Credits 19 After Changes 14 etworking Operating Systems I	Advisors Articulation Agreements Program Admission Requ Continuing Eligibility Re Footnotes Other	uirements/Procedures
Show all changes on the attached	program sheet.		
CISCO certification is comple advanced CCNP. Having the students, particularly when the given us a new entry level cert to complete the training, three Systems Administrator). Atta	lly an advanced certification, which is come ted at WCC with two certificates, the first be seven courses in the first certificate has made youngly have to take four CISCO courses for tification which is comparable to the CISCO of which we are already teaching!!!! This ched is a copy of the reworked program, with one. Along with these changes, a new pro-	de the Microsoft program unattracter an equilvalent certificate. Microsoft CCNA and, like the CCNA, wou certification is called the MCSA (lith the required courses, deleting the term form for four additional courses).	tive to potential soft, however, has ald require four courses Microsoft Certified the three advanced ones rses for a 2nd
Certificate in Microsoft, prepa 3. Financial/Staffing/Equip	aring the student for the MCSE after the MCSE and this time, I so if anything, the needs would be reduced for atly are teaching all the MCSE courses in T.	ee no addition implications concer-	ning Financial, Staff, ourses being taught
3. Financial/Staffing/Equipment, or Space, in fact, would be reduced. We present well. 4. Has the department consult	ment/Space Implications: At this time, I so if anything, the needs would be reduced for atly are teaching all the MCSE courses in Total anything are teaching the MCSE courses in Total and the MCSE courses in Total an	ee no addition implications concert this certificate as the number of concert in the Fall and Winter which the Winter which the Winter which the Winter which the Winter which	ning Financial, Staff, ourses being taught
3. Financial/Staffing/Equipment, or Space, in fact, would be reduced. We present well. 4. Has the department consult	ment/Space Implications: At this time, I so if anything, the needs would be reduced for atly are teaching all the MCSE courses in T	ee no addition implications concert this certificate as the number of concert in the Fall and Winter which the Winter which the Winter which the Winter which the Winter which	rning Financial, Staff, ourses being taught in has worked out very
3. Financial/Staffing/Equipment, or Space, in fact, would be reduced. We present well. 4. Has the department consult Comments: CIS and ELE Insulators. Signatures:	ment/Space Implications: At this time, I so if anything, the needs would be reduced for atly are teaching all the MCSE courses in Total departments that may be impostructors and Department Heads have all be	ee no addition implications concerthis certificate as the number of concerthis certificate as the number of concerthing the fall and Winter which pacted? Yes No neacted? Yes No neacted with this proposal.	rning Financial, Staff, ourses being taught in has worked out very
3. Financial/Staffing/Equipment, or Space, in fact, would be reduced. We present well. 4. Has the department consult Comments: CIS and ELE Instance.	ment/Space Implications: At this time, I so if anything, the needs would be reduced for atly are teaching all the MCSE courses in Total anything are teaching the MCSE courses in Total and the MCSE courses in Total an	ee no addition implications concert this certificate as the number of concert in the Fall and Winter which the Winter which the Winter which the Winter which the Winter which	ning Financial, Staff, ourses being taught in has worked out very
3. Financial/Staffing/Equipment, or Space, in fact, would be reduced. We present well. 4. Has the department consult Comments: CIS and ELE Insulators. Signatures:	raing the student for the MCSE after the MCSE after the MCSE after the MCSE if anything, the needs would be reduced for atly are teaching all the MCSE courses in Total departments that may be important to any department Heads have all be a structors and Department Heads have all be a structor of the MCSE courses in Total department Heads have all be a structor of the MCSE courses in Total department Heads have all be a structor of the MCSE courses in Total department Heads have all be a structor of the MCSE after the MCSE aft	ee no addition implications concerthis certificate as the number of concerthis certificate as the number of concerthing the fall and Winter which pacted? Yes No neacted? Yes No neacted with this proposal.	ning Financial, Staff, ourses being taught in has worked out very NA Date
3. Financial/Staffing/Equipment, or Space, in fact, would be reduced. We present well. 4. Has the department consult Comments: CIS and ELE Inserting Signatures: Reviewer	ment/Space Implications: At this time, I so if anything, the needs would be reduced for atly are teaching all the MCSE courses in Total departments that may be impostructors and Department Heads have all be Print Name	ee no addition implications concerthis certificate as the number of concerthis certificate as the number of concerthing the fall and Winter which pacted? Yes No neacted? Yes No neacted with this proposal.	ning Financial, Staff, ourses being taught in has worked out very NA Date 12 17 01
3. Financial/Staffing/Equipment, or Space, in fact, would be reduced. We present well. 4. Has the department consult Comments: CIS and ELE Insequences: Reviewer Program Change Initiator:	raing the student for the MCSE after the MCSE after the MCSE after the MCSE if anything, the needs would be reduced for atly are teaching all the MCSE courses in Total departments that may be important to any department Heads have all be a structors and Department Heads have all be a structor of the MCSE courses in Total department Heads have all be a structor of the MCSE courses in Total department Heads have all be a structor of the MCSE courses in Total department Heads have all be a structor of the MCSE after the MCSE aft	ee no addition implications concerthis certificate as the number of concerthis certificate as the number of concerthing the fall and Winter which pacted? Yes No neacted? Yes No neacted with this proposal.	ning Financial, Staff, ourses being taught in has worked out very NA Date

Copies: Initiator, Department Chair, Dean, Curriculum File
Curriculum and Articulation Services:
Curriculum Development\Forms\Programs\Program Change Form 1/9/01

Document Code: MCSA.doc

Computer Networking Operating Systems I (CVCNOS) **Advanced Certificate**

Program Effective Term: Fall 2002

This program helps prepare you for a profession as a Microsoft MCSA (Microsoft Certified Systems Administrator) where you will install, configure, and troubleshoot Microsoft client-server networks. The program is designed to deploy and manage Windows 2000 components in real life situations. Installation, configuration, testing, management, monitoring, and troubleshooting of the Windows 2000 Systems are all emphasized. Most importantly, specific activities are tested out on Workstations to insure they work just as in a real business environment. The program is for both those who are working towards Microsoft certifications i.e. MCSA, MCSE and those who may already have the certifications and want to learn how to implement these technologies. Individuals who have an interest in learning Windows 2000 technologies are also welcome.

Business and Computer Technologies Division Computer Instruction Department and Electronics Department

Advisors: Michael Galea, James Lewis, John Trame

Program Admission Requirements:

Completion of the Computer Systems Technology Program (CTCSTC) or (ELE 150 and ELE 225A) with a minimum grade of "C" or passing the COMPTIA certification.

Major/Are		(14 Credits)
CNT 201	Administering Microsoft Windows 2000 Profession	al 3 4
CNT 211	Administering Microsoft Windows 2000 Server Implementing a Microsoft Windows Network	3
CNT 221	Infrastructure	
CNT 222	Mangaging a Microsoft Windows 2000 Network Environment	4
Minimum	Credits Required for the Program:	14

Footnotes:

^{*}This program is designed to be completed in a two semester time frame.

WASHTENAW COMMUNITY COLLEGE PROGRAM APPROVAL DOCUMENT

1. Program Name: Computer Network Operating Systems	Program Code:
2. Division: 3. Department:	
4. Type of Award: A.A. A.S. A.A.S. Certifica of Comp	te Certificate Advanced Post Associate
5. Is this an occupational program eligible for Perkins Funding	? yes no 6. Effective Term:
7. Program Description: (Provide a succinct paragraph describing the program. Indicate program go about the career, e.g. special skills and knowledge required, certifications of Indicate the difference between the associate degree and certificate program. This program prepares you for a job as a network administrator, where you is placed on Microsoft servers and clients. It also gives you the knowledge exams. 8. Program Advisors: John Trame, Michael Galea, and Roland	will install, configure, and troubleshoot Local Area Networks. The focus e you'll need to pass the Microsoft Certified Systems Engineer (MCSE)
9. Admissions Criteria: (College level courses may not be used as admission requirements for programs, except for Advanced or Post-Associate Certificates.)	10. Criteria for Continuing Program Eligibility:
Successful completion of the Computer Systems Technology Certificate or equivalent industry experience.	
Approval Recommended: Print Name Program Initiator: John Trame Dept. Chair/Director:	Signature Date 2/15/2001
· ·	m R Buty 3/6/01
Dean/Administrator:	
Exec VP of Instruction: Guy Altieri	
President: Larry Whitworth -	
Date of Board Approval:	
	Access Programs Access Log

Curriculum and Articulation Services 10/24/00 Banner_____ Access Programs_____ Access Programs_____ Document Code: Network Operating Systems PAD.doc
Copies: Program Initiator, Department Chair/Director, Dean/Administrator

A. CURRENT AND PROJECTED ENROLLMENT

1. Estimated Number of Students per Year

Year	Headcount (unduplicated)	Contact Hours
1999-2000		
2000-2001	40	
2001-2002	4050	7,200
-1000-200	50	

2. How long is this program expected to continue?

B. PROJECTED BUDGET

1. Start-up Costs

Expenditures	Amount
	\$NA
Salaries and Fringes for Development	\$NA
Travel	\$NA\$ 600
Training Costs	\$NA
Equipment Purchase/Lease	\$NA
Facility Construction/Renovation	
Other Direct Costs (specify)	\$NA \$4000,
	0 /1 / 00
Total	18 4/600

2. Ongoing Costs of Operation

Expenditures	Amount
	\$ 220 00
Instructional Salaries and Fringes	0
Aides and Paraprofessionals Salaries and Fringes	
Instructional Travel and Advisory Committees	\$
Instructional Supplies and Materials	\$ ·
Instructional Supplies and Wateries	\$
Equipment Purchase/Lease	\$
Other Direct Costs (specify)	4
	(t) (2/) (27)
Total	3

3. Revenues

	Tuition	Fees	Local/State Funds	Federal Funds	Other Specify	Total
1999-00	\$	\$	\$	\$	\$	\$
2000-01	\$	\$	\$	\$	S	\$

C. PERSONNEL

MINEL	Existing Faculty		New Faculty	
	Full-Time	Part-Time	Full-Time	Part-Time
Current year				
Next year	1.5	6		

Document Code: Network Operating Systems PAD.doc Date Saved: 02/15/01 6:10 PM

Date study was conduct								
Geographic area to be s	served by	the progra	m (cities a	nd countie	s)			
Number of employers s	surveyed.							
Number of skilled perso program could provide	ons, in the training.	geograph	ical area, o	currently en				
		F	ull-Time E	mployees	P	art-Time I	Employees	
Currently employed								
Receiving On-the-Job	Training			-				
	One	Year	Five	Years One Year		Year	Five Years	
	Full-time	Part-time	Full-time	Part-time	Full-time	Part-time	Full-time	Part-tim
			l.				 	
Certificate Holders								
Certificate Holders Degree Holders								
Degree Holders Limited Course Work Expected starting wag Certificate holders \$		Ass	ociate Deg					
Degree Holders Limited Course Work Expected starting wag		Ass	ociate Deg				ing this pro	ogram a
Degree Holders Limited Course Work Expected starting wag Certificate holders \$	y results in	Ass	sociate Deg				ing this pro	ogram a
Degree Holders Limited Course Work Expected starting wag Certificate holders \$ Student interest survey	y results in	Ass	sociate Deg he number	of student			ing this pro	ogram a

9. List similar educational opportunities within the geographic area currently served by the college.

D.

E. COURSE REQUIREMENTS AND SEMESTER SEQUENCE

st Semester C		Credit	Pre-requisites/Co-requisites
Course	Title		Pre-requisites/Co-requisites Completion of CSTC
CNT 201 CNT 211	Managing Microsoft Workstations Administering Microsoft Networks	2 3	Completion of CSTC
2 nd Semester	Courses		D ::t/Co requisites
Course	Title	Credit	Pre-requisites/Co-requisites
CNT 221 CNT 231	 Implementing a Microsoft Windows Network Infrastructure Implementing a Microsoft Windows Directory Services Infrastructure 	4	CNT 211 CNT 211
3 rd Semester			The Composition
Course	Title	Credit	Pre-requisites/Co-requisites
CNT 241	Designing a Microsoft Windows Directory Services Infrastructure	2	CNT 231
CNT 251	Designing Security for a Microsoft Network	1	
4 th Semester	Courses	Credit	Pre-requisites/Co-requisites
Course	Designing a Microsoft Network	T 3	CNT 251
CNT 261	Infrastructure		
5 th Semester		Credit	Pre-requisites/Co-requisites
Course	Title		
6 th Semester	r Courses		
Course	Title	Credit	Pre-requisites/Co-requisites

F. COURSE DESCRIPTIONS (List the catalog descriptions for required specialty and support courses)

See the attached syllabi.

- G. ARTICULATION (Briefly describe your plans to articulate the program with a similar program(s) offered by any secondary and/or four-year baccalaureate degree granting institution(s).
- **H. PHYSICAL FACILITIES** (Describe the facilities in which the program will be housed. Specify whether the proposed program will require the construction of new physical facilities, renovation of existing facilities, or use of temporary facilities.)

BE 174 & BE 176

- I. ACCREDITATION/LICENSURE (Describe the status of the application for recognition, accreditation, or licensing by external agencies, if applicable)
- J. ADVISORY COMMITTEE (List the names, titles, and organizational affiliations of members of the advisory committee that has been selected to advise the college on the development and implementation of this occupational program. Attach advisory committee meeting minutes that include proposed program recommendations.)
- K. ANALYSIS OF AFFECTED INSTRUCTIONAL UNITS (Describe the results of consultation with other instructional units and the expected affects this program will have on them.)

Document Code: Network Operating Systems PAD.doc Date Saved: 02/15/01 6:10 PM

Computer Networking Operating Systems (CVCNOS) Advanced Certificate

Program Effective Term: Fail 2001

This program prepares you for jobs as a network administrator, where you will install, configure, and troubleshoot Microsoft client-server networks. You also will receive preparation for the Microsoft Certified Systems Engineer (MCSE) exams. The credits in this program may be applied toward an associate degree.

Technology Division

Computer Instruction and Electronics Department

Advisors: Michael Galea, John Trame

Program Admission Requirements:

•Completion of the Computer Systems Technology Certificate (CTCSTC) with a GPA of 2.0 or better

Major/Area Requirements (19 Credits)

-		2
CNT 201	Managing Microsoft Workstations	_
	Administering Microsoft Windows Networks	3
CNT 211	Administering Wilcrosoft Wildows Notwork	3
CNT 221	Implementing a Microsoft Windows Network Infrastructure	J
	Implementing a Microsoft Windows Directory	3
CNT 231	Services Infrastructure	
	Services infrastructure	2
CNT 241	Designing a Microsoft Windows Directory Services	-
	Infrastructure	•
CNT 251	Designing Security for a Microsoft Network	3
• =	Designing a Microsoft Network Infrastructure	3
CNT 261	Designing a Microsoft Network Influence	
Minimum (Credits Required for the Program:	19