

Fanshawe College

FIRST: Fanshawe Innovation, Research, Scholarship, Teaching

Documentation (Approvals etc...)

Computer Systems Technology

2011

CTY1 CTN2 Curriculum Modification for 2012-13

Fanshawe College

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PROGRAM/CURRICULUM "RATIONALE FOR CHANGES"

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REGISTRAR

All requests for changes to programs of instruction must be submitted to the Registrar's Office by December 1st each year for changes to be implemented for the following September intake. All changes require the approval of the Dean and possibly the VPA's Office, if significant.

REMINDER: We need to ensure that changes are made properly and in a timely manner to: maximize student success; optimize employment preparation; meet all quality and integrity responsibilities to MTCU, PQAPA and our Board of Governors; and meet community expectations.

- ↳ The **Program/Curriculum "Rationale for Changes"** should be completed using this template and all areas must be completed. An electronic copy of this document should be submitted to the Registrar's Office.
- ↳ The Dean/Chair responsible for the program should consult with other affected schools and obtain the appropriate sign-offs on a paper copy of this document. Once all consultations and sign-offs have occurred, the paper copy should be submitted to the RO
- ↳ Course Request Forms must also be submitted electronically to Strategy and Planning for all new courses. These will be forwarded to Scheduling following approval of the changes by the Dean and possibly the VPA's Office.

1.0 Program Requiring Changes

Program Title:	Computer Systems Technology	
Program Alpha & Number:	CTY1 / CTN2	
Effective Catalog Year:	20123	

Please answer each of the questions below, if applicable. Missing or incomplete information may delay approval and/or implementation of the proposed changes.

2.0 Rationale for Changes

2.01 Provide a brief description of the reasons for the proposed changes.

In order to provide students with a broader knowledge upon graduation it was decided to remove the System and Network streams and create a single list of mandatory courses for Levels 5 and 6. In this process several courses were merged. This allows for very little concepts to be removed. The changes will also bring the program in line with employer expectations, as the streams were not identified on a diploma or transcript.

2.02 Students

- Are changes a response to student feedback? Or our Programs Data Report - Weak Factors? (summarize how changes address this issue)

NO, the changes are in a request from the chair in efforts to lower the number of courses and teaching hours required to offer Levels 5 and 6. Current Stream selection has produced unbalance class sizes based on student stream selection. However; Student feedback to the change has been very positive as students in the past have struggled to select one path, where they would prefer to take both.

- How will changes affect student learning and success? (describe evidence to support this)

Combining the two streams will allow students to graduate with knowledge in both systems and networking. This will open more job opportunities for them.

- How will changes affect cost of the program for students? (e.g., materials fees; equipment fees - laptop program; OSAP implications)

There will be no change to the cost of the program.

- How will changes affect the flow of the program?

The only change is that students will no longer have to select a stream in Level 5 and 6 of the program. They will all be enrolled in the same control courses for the terms.

2.03 Relationship of Program to Industry

- How do changes reflect trends in the field or in industry? (Provide data regarding industry and/or professional trends.)

2.04 Program Learning Outcomes

- How do the changes align with Ministry outcomes? (Provide a copy of the completed program map indicating gaps/overlaps that are being corrected)

There are no changes that affect alignment with Ministry outcomes as both streams already had meet the outcome requirements for the program.

2.05 Relationships with Other Fanshawe College Programs

- Is this course in a laddered program or part of any other Fanshawe College program?

NO

2.06 Relations with Other Post-Secondary Programs

- How will the changes affect transfer agreements with other post-secondary institutions?
- What discussions have been initiated with these institutions regarding the changes?

Will not affect articulations agreements that are in place.

2.07 Changes on Fit of Program with general College Requirements for Programs

- How do changes affect the fit of the program with the College's strategic plan, program mix, general education requirements, marketing?

Marketing will have to quickly update the Web site to ensure new students are aware that the streams have been eliminated.

- Are changes consistent with Colleges policies/practices? (Identify specific areas where policies/practices need to be altered if program changes approved.)

YES

3.0 Consultation Regarding Proposed Changes

3.01 Consultation With Program Advisory Committee

- Indicate feedback from the program advisory committee regarding the changes.

Yes and it was supported

3.02 Consultation With Other Programs/Schools/Services

- What programs/schools/services have been consulted?
- What feedback and suggestions have been offered through consultation?

N/A

4.0 Resource Implications of Proposed Changes

4.01 Staffing

- Outline all staffing consequences, both for the program and related areas.

Staffing requirements for the program will be lowered as there will be a reduction in teaching contact hours.

4.02 Services

- Outline all consequences on other areas.

4.03 Space or Technology Requirements

- Outline how changes affect space and/or technology requirements.

Lab equipment will need to be increased to reflect one class with all students in the program rather than only the students that selected the stream. While the impact is significant it will allow more accurate planning for future needs.

4.04 Budgetary Implications

- Outline budgetary implications (include consequences on other schools such as increase/decrease in teaching hours required)
- Outline changes to materials fees.

With only a single stream teaching hours will be reduced. There will be a total TCH reduction of 5 hours in level 6, and a total TCH reduction of 7 hours in level 6.

Approvals: Chair of School and Dean of Faculty; possibly VPA's Office, if significant

Approved

Not Approved / Requires Changes


Chair of School/Campus (signature)

Nov. 29/11
Date


Dean of Faculty (signature)

Nov. 30, 2011
Date

Chair of Servicing School, if required (signature)

Date

Vice-President, Academic, if required (signature)

Date



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Degree Audit Report

Catalog: 2012/2013

Program: CTY1

Name: Computer Systems Technology

Department: ITY - Information Technology

Academic Level: PS

CCD: 9 - 6AcadSem/1800-2100hrs

Grade Scheme: LG2

Major: CTY1 - Computer Systems Technology

Div: ITY - Information Technology Division

Co-Op Indicator: Mandatory Co-op

Academic Program Requirement

Total Credits: 121.00

Residency Reqmt: 31.00

GPA Requirement: 2.000

Residency Reqmt GPA: 2.000

Minimum Grade: D

Academic Requirement: CTY1.12 Computer Systems Technology

Major: CTY1

Grade Scheme: LG2

Minimum GPA: 2.000

Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:

Group 1

		Total Hours	Total Credits	GE
BUSI-1060	Strategies for Success	15.00	1.00	
INFO-1135	Networking Fundamentals-CCNA	75.00	5.00	
INFO-1150	Programming Fundamentals	75.00	5.00	
INFO-1119	Operating Systems&Hardware Fundamentals	45.00	3.00	
INFO-1120	Database Fundamentals	45.00	3.00	

Group 2

TAKE WRIT-1043 OR WRIT-1034

		Total Hours	Total Credits	GE
WRIT-1043	Reason & Writing 1 for IT	45.00	3.00	
WRIT-1034	Reason & Writing 1 - EAP	60.00	4.00	

Subrequirement: Level 2

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
BUSI-1005	Introduction to Business Processes	45.00	3.00	**
INFO-3065	Hardware 2	45.00	3.00	
INFO-3092	LAN Switching & Wireless-CCNA	75.00	5.00	
INFO-1123	Windows Active Directory	45.00	3.00	
INFO-1125	Linux Operating Systems	45.00	3.00	
MGMT-3052	Understanding Workplace Behaviours	45.00	3.00	**

Add: INFO-1167 Business at the Speed of Light 45.00 3.00**

Subrequirement: Level 3

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INFO-1124	Computer Security Concepts	45.00	3.00	
INFO-3101	Windows Mail & Web Servers	45.00	3.00	

Degree Audit Report

INFO-3014	Database Servers	45.00	3.00
INFO-3075	Windows Network Services	45.00	3.00
INFO-3100	Routing Protocols-CCNA	75.00	5.00
COMM-3047	Communication for IT Professionals	45.00	3.00

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INFO-3098	Security: Vulnerabilities	45.00	3.00	
INFO-3102	Windows System Services	45.00	3.00	
INFO-3103	Linux Operating Systems-Inter	45.00	3.00	
INFO-5084	WAN Technologies-CCNA	75.00	5.00	
MGMT-3036	Professional Development-Career Planning	45.00	3.00	

Subrequirement: Level 5

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INFO-5011	Managing Technical Projects	45.00	3.00	
INFO-3094	Security: Firewalls	45.00	3.00	
INFO-5070	Windows System Administration	45.00	3.00	
INFO-3099	Scripting for Systems Administration	45.00	3.00	

Subrequirement: Level 6

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
FINA-3039	Budgeting & Financial Issues	45.00	3.00	
INFO-5088	Hacker Techniques-Advanced & Exploits	45.00	3.00	
INFO-5065	Applied Technical Projects	60.00	4.00	

Subrequirement: Add'l Req-Electives

Take 1 of the following groups:

Normally taken in Levels 5 and 6

Group 1

		Total Hours	Total Credits	GE
INFO-5081	Advanced Routing-CCNP	60.00	4.00	
INFO-5082	Multilayer Switching-CCNP	60.00	4.00	
INFO-5089	Networking Technologies-Adv	60.00	4.00	
INFO-5090	Network Troubleshooting-CCNP	60.00	4.00	

Group 2

		Total Hours	Total Credits	GE
INFO-5071	Linux Operating Systems-Adv	60.00	4.00	
INFO-5093	Virtualization	60.00	4.00	
INFO-5091	Data Management & Storage-Adv	60.00	4.00	
INFO-5092	Mobile Technologies	60.00	4.00	

*See attached sheet for Level 5 and Level 6 courses
~ Required Electives removed*

Subrequirement: Gen Ed - Electives

Take 6 General Education credits -

Normally taken in Levels 4 and 6

Degree Audit Report

Catalog: 2012/2013

Program #: CTY1

Name: Computer Systems Technology

Subrequirement: Level 5

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	GE
INFO-3094	Security: Firewalls	45.00	3.00	
INFO-5081	Advanced Routing-CCNP	60.00	4.00	
INFO-5082	Multilayer Switching-CCNP	60.00	4.00	
INFO-5096	Managing & Budgeting Technical Projects	45.00	3.00	
INFO-5097	Windows System Adm & Mobile Technologies	60.00	4.00	
INFO-5098	Virtualization & Data Management	75.00	4.00	

Subrequirement: Level 6

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

		Total Hours	Total Credits	
INFO-3099	Scripting for Systems Administration	45.00	3.00	
INFO-5071	Linux Operating Systems-Adv	60.00	4.00	
INFO-5090	Networking Troubleshooting-CCNP	60.00	4.00	
INFO-5099	Voice over IP & QoS	60.00	4.00	
INFO-5105	Applied Technical Projects	90.00	6.00	
			+ GE	

Degree Audit Report

Students Must Complete a Minimum of 31 of the Program
Credits at Fanshawe to meet the Residency Requirement and
Graduate from this Program.

[Signature]
Approved By Chair/Manager:

[Signature]
Approved by Dean:

[Signature]
General Education Approved By(as appropriate):

FTY Nov. 28/11
Department and Date:

Nov. 30, 2011
Date:

Dec 1/11
Date:

[Signature]
Dec 19/11

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Degree Audit Report

Catalog: 2012/2013

Program: CTN2
Department: ITY - Information Technology
Academic Level: PS
CCD: 8 - 4AcadSem/1200-1400hrs

Name: Computer Systems Technician

Grade Scheme: LG2
Major: CTN2 - Computer Systems Technician
Co-Op Indicator: N/A

Div: ITY - Information Technology Division

Academic Program Requirement

Total Credits: 80.00
GPA Requirement: 2.000
Minimum Grade: D

Residency Reqmt: 20.00
Residency Reqmt GPA: 2.000

Academic Requirement: CTN2.12 Computer Systems Technician

Major: CTN2
Grade Scheme: LG2
Minimum GPA: 2.000
Minimum Grade:

Subrequirement: Level 1

Take all of the following Mandatory Courses:
Group 1

Table with 4 columns: Course ID, Course Name, Total Hours, Total Credits, GE. Rows include BUSI-1060, INFO-1135, INFO-1150, INFO-1119, INFO-1120.

Group 2

TAKE WRIT-1043 OR WRIT-1034

Table with 4 columns: Course ID, Course Name, Total Hours, Total Credits, GE. Rows include WRIT-1043, WRIT-1034.

Subrequirement: Level 2

Take all of the following Mandatory Courses:

Table with 4 columns: Course ID, Course Name, Total Hours, Total Credits, GE. Includes handwritten 'Delete' next to BUSI-1005 and 'Add: INFO-1167 Business at the Speed of Light' next to INFO-1167.

Subrequirement: Level 3

Take all of the following Mandatory Courses:

Table with 4 columns: Course ID, Course Name, Total Hours, Total Credits, GE. Row includes INFO-3014 Database Servers.

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INFO-1124	Computer Security Concepts	45.00	3.00
INFO-3101	Windows Mail & Web Servers	45.00	3.00
INFO-3075	Windows Network Services	45.00	3.00
INFO-3100	Routing Protocols-CCNA	75.00	5.00
COMM-3047	Communication for IT Professionals	45.00	3.00

Subrequirement: Level 4

Gen Ed - Take a 3 credit General Education elective course

Take all of the following Mandatory Courses:

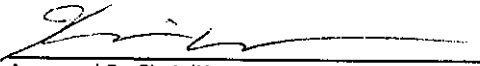
		Total Hours	Total Credits	GE
INFO-3098	Security: Vulnerabilities	45.00	3.00	
INFO-3102	Windows System Services	45.00	3.00	
INFO-3103	Linux Operating Systems-Inter	45.00	3.00	
INFO-5084	WAN Technologies-CCNA	75.00	5.00	
MGMT-3036	Professional Development-Career Planning	45.00	3.00	

Subrequirement: Gen Ed - Electives

Take 3 General Education Credits -
Normally taken in Level 4

Subrequirement: Check Residency

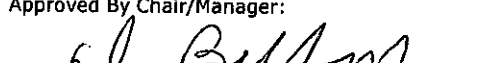
Students Must Complete a Minimum of 20 of the Program
Credits at Fanshawe to meet the Residency Requirement and
Graduate from this Program.



Approved By Chair/Manager:

ITC Nov. 29/11

Department and Date:



Approved by Dean:

NOV-30, 2011

Date:



General Education Approved By(as appropriate):

Dec 1/11

Date:

*428
Dec 19/11*