Items approved by Education Council
March 9, 2017

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Science Technology and Health Programs

Electronic Engineering Technology Bridge   to UBC Okanagan Electrical Bridge
Program revision:
    x   Admission requirements
Rationale:
To advise applicants that there is a prerequisite requirement for CHEM 111that will need to be met to enroll in the course.
Admission requirements:
Current:
Completion of Okanagan College's Electronic Engineering Technology diploma program with a minimum graduating grade average of 80%.
Proposed:
Completion of Okanagan College's Electronic Engineering Technology diploma program with a minimum graduating grade average of 80%. Students entering this bridge program are advised to complete either Chemistry 12 with a minimum 60% grade or Chemistry 11 with a minimum 75% grade to be eligible to enrol in CHEM 111.
Reason:
To reflect the required course prerequisite for CHEM 111.
Implementation date: Feb 2017
Costs: n/a

NTEN 123 – 3 – 5.5   Network Applications of Analog and Digital Systems
Course revision:
    x   Prerequisites
Rationale:
Course work in NTEN 123 requires competency with the material from two prerequisite courses. It is possible for a student to be unsuccessful in NTEN 117 and still take NTEN 123. This means that the student does not have the assumed skills and knowledge and so has a low probability of success. By having the additional prerequisite, this is addressed.
Prerequisites:

	Current	Proposed
Prerequisites	NTEN 113	NTEN 113, NTEN 117

Implementation date: Aug 2017
Costs: n/a

NTEN 207 – 3 – 5.5   Enterprise Telecommunications
Course revision:
    x   Prerequisites
Rationale:
NTEN 123 has recently been added to the program and fills a gap that existed between the content of NTEN 113 and NTEN 207. This revision updates the prerequisite to be the more advanced course NTEN 123.
Prerequisites:

	Current	Proposed
Prerequisites	NTEN 113, NTEN 137	NTEN 123, NTEN 137

Implementation date: Aug 2017
Costs: n/a

NTEN 228 – 3 – 5.5   Scripting for Network and System Administrators
Course revision:
    x   Course Code - new code **NTEN 128**
    x   Corequisite
    x   Prerequisite
Rationale:
Historically, the diploma's program flow introduced students to the concepts and then this course added on the skills needed to perform the same tasks using scripts. As scripting has become more prevalent and expected in industry, it makes sense to introduce scripting earlier in the program flow so that as tasks are taught, the corresponding scripting techniques can be used right away. This proposal moves the existing course to an earlier point in the program flow and restructures its content to recognize that prior to or concurrently with other subjects instead of as a follow-on course.
Prerequisites:

	Current	Proposed
Prerequisites	NTEN 112 or COSC 111, NTEN 127, NTEN 219	NTEN 112 or COSC 111
Corequisite		NTEN 127

Implementation date: Aug 2018
Costs: n/a

NTEN 223 – 3 – 5.5   Internet of Things
Rationale:
The Internet of Things (IoT) is the next frontier in information technology. Businesses are exploring how leveraging IoT can make real differences to their ability to thrive. The demand for people who can understand, implement, and maintain an IoT solution is increasing rapidly and is expected to do so for some time. Just like virtualization before it, access to the resources of IoT will become key to the competitive success of many business models. We expect that an IoT skill set will become an essential part of any Information Technologist's training and ongoing work.
Calendar description:
Learners will explore the involved interconnection of IoT concepts from network edge through data storage and analysis. IoT data transport protocols, data storage solutions and introductory data analysis techniques will be introduced.   Learners will compare and utilize existing enterprise IoT solutions as

CMNS 113 Technical Communication for Information Technology	CMNS 113 Technical Communication for Information Technology
MATH 127 Math for Network & Telecom Engineering Tech I	MATH 127 Math for Network & Telecom Engineering Tech I
Semester Two	Semester Two - proposed
NTEN 123 Network Applications of Analog and Digital Systems	NTEN 123 Network Applications of Analog and Digital Systems
NTEN 127 Local Area Network Management	NTEN 127 Local Area Network Management
NTEN 137 Routing and Switching I	NTEN 137 Routing and Switching I
CMNS 123 Analysis and Reporting for Information Technology	CMNS 123 Analysis and Reporting for Information Technology
MATH 149 Math for Network & Telecom Engineering Tech II	NTEN 128 Scripting for Network and System Administrators
One elective (3 credits)	One elective (3 credits)
Extended Semester (3 weeks)	Extended Semester (3 weeks)
NTEN 199 Topics in Internetworking	NTEN 199 Topics in Internetworking
Second Year	
Semester Three	Semester Three - proposed
NTEN 207 Enterprise Telecommunications	NTEN 207 Enterprise Telecommunications
NTEN 211 Virtualization for Enterprise System Administrators	NTEN 211 Virtualization for Enterprise System Administrators
NTEN 217 Routing and Switching II	NTEN 217 Routing and Switching II
NTEN 219 Linux Server Management	NTEN 219 Linux Server Management
Two electives (6 credits)	Two electives (6 credits)
Semester Four	Semester Four - proposed
NTEN 225 Internetwork Security I	NTEN 225 Internetwork Security I
NTEN 227 Carrier Telecommunications	NTEN 227 Carrier Telecommunications
NTEN 228 Scripting for Network and System Administrators	Internet of Things

Prerequisites: Permission of the Instructor
Implementation date: Aug 2017
Costs:

	One-time	Ongoing
Staffing		8,255.00

MATH 490 – 3 – 4   Special Topics in Mathematics
Rationale:
For students who are interested in Mathematics our current upper level course offerings are insufficient.
In order to offer a variety of different topics, we would like to be able to have a Special Topics course in
order to service student demand.
Calendar description:
This course will focus on advanced or specialized topics in Mathematics. Students should consult the
department chair for the specific topic to be offered in any given year. With different topics, this course
may be taken more than once for credit. (4,0,0)
Prerequisites: Permission of the Instructor
Implementation date: Aug 2017
Costs:

	One-time	Ongoing
Staffing		10, 979.15

STAT 310 – 3 – 5   Regression Analysis
Rationale:
1. This course will form part of the proposed BUAD Post Baccalaureate Degree in Marketing and Data
   Analytics.
2. This course will be transferable to UBC Okanagan as it is identical to their course.
3. This course could be used as a 3rd year BUAD elective.
4. This course will be part of the proposed CIS Post Baccalaureate Program in Data Analysis.
5. This course will be part of the Mathematics department's proposed Concentration in Statistics.
Calendar description:
In this course learners study the theory and application of regression analysis, including residual analysis,
diagnostics, transformations, model selection and checking, weighted least squares, and nonlinear
models. Additional topics may include inverse, robust, ridge, and logistic regression. (3,2,0)
Prerequisites: STAT 230 and MATH 221 or Admission to the Post Baccalaureate Degree in Marketing
and Data Analytics.
Implementation date: Sept 2017
Costs:

	One-time	Ongoing
Staffing		10, 979.15

STAT 311 – 3 – 5   Modern Statistical Methods
Rationale:
1. This course will form part of the proposed BUAD Post Baccalaureate Degree in Marketing and Data
   Analytics.
2. This course will be transferable to UBC Okanagan as it is identical to their course.
3. This course could be used as a 3rd year BUAD elective.
4. This course will be part of the proposed CIS Post Baccalaureate Program in Data Analysis.
5. This course will be part of the Mathematics department's proposed Concentration in Statistics.
Calendar description:
In this course, learners study hypothesis testing, bootstrap, jackknife, permutation tests, additive models,
robust smoothers, m-estimators, rank-based methods, nonparametric methods, and unsupervised
methods. (3,2,0)

This capstone course for diploma students, synthesizes the material learned in the previous three semesters, including programming, systems analysis and design, networking, and database design and development, or are learning in a corequisite course, to complete a project for a client, chosen from a selection provided by the professor. Students will attend a weekly one-hour seminar. (3,3,1)
Proposed
This capstone course for diploma students, synthesizes the material learned in the previous three semesters, including programming, systems analysis and design, networking, and database design and development, or is learning in a corequisite course, to complete a project for a client. Students will choose a project from a selection provided by the professor. (3,3,0)
Contact hours:

	Current	Proposed
Lecture	3	3
Lab	3	3
Seminar	1	0

Implementation date: Jan 2018
Costs: n/a

Bachelor of Computer Information Systems
Program revision:

"Group 2: refers to all courses in Communications and courses in other subjects which lead to an Associate of Arts Degree.	"Group 2: refers to all courses in Communications and courses in other subjects which lead to an Associate of Arts Degree. This group does not include science courses. "

Implementation date: Sept 2017
Costs: n/a

Office Administrati   on - Schedule 2017-2018

Accounting/Bookkeeping Ce   rtificate (20 weeks)

Kelowna
2017

September 4	Labour Day (no classes)
September 5	Orientation
September 6	Classes start

October 9 co6w⫪TJETw(on - 6583.08 4.48 .97 ksgiv539.9990/TT9 1 Tf10.02 e18e.entS82e.)r83TJ/TCm9.000.9(be83Nov2

<u>2018</u>

January ~~3~~ 2	Classes resume
February 12	Family Day (no classes)
March ~~19 – 23~~ 26 - 29	Mid-Semester Break (no classes)
March 30 – April 2	Easter (no classes)
May 21	Victoria Day (no classes)
June ~~21~~ 19	Classes End

Office Assistant Cert   ificate (17 weeks)

Kelowna, Salmon Arm, Vernon, P<u>enticton</u>
<u>2017</u>

September 4	Labour Day (no classes)
September 5	Orientation
September 6	Classes start
October 9	Thanksgiving Day (no classes)
November 11	Remembrance Day
November 13	Statutory Holiday (no classes)
December 19	Last day of classes before Christmas break
December 24 – January 1	Christmas Closure (no classes) – Okanagan College closed to the public

<u>2018</u>

January ~~3~~ 2	Classes resume
January 18	Classes end

Office Assistant Cert   ificate (17 weeks)

Kelowna
<u>2018</u>

February 13	Classes start
March ~~20 – 24~~ 26 - 29	Mid-Semester Break (no classes)
March 30 – April 2	Easter (no classes)
May 21	Victoria Day (no classes)
June ~~22~~ 21	Classes End

Legal Administrative Assistant Cert   ificate (Litigation - 19 weeks)

Kelowna only
<u>2017</u>

September 4	Labour Day (no classes)