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Bachelor of Computing Science
(Sept 2017)

Student Name:_____
Student Number:_____
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The Bachelor of Computing Science (BCS) degree offers a comprehensive foundation that prepares graduates to adapt to new technologies and ideas spanning the range from theory to programming. In particular, the program:

- Prepares students to meet the IT needs of business, government, healthcare, schools and other kinds of organizations;
- Allows students to pursue further education including graduate programs.

The program combines theory, technical and hands-on skills, communication skills (written and oral), and business skills. A commitment to professionalism is an essential characteristic of the BCS program.

Three specializations are available in the BCS program:

1. Database and Information Systems
2. Network Computing
3. Software Engineering

For more information about the program please visit the department website: cs.tru.ca

Admission Requirements – First Year Entry

To be considered for admission to BCS, students must have completed:

1. One of Pre-calculus Math 12, Foundations Math 12, or equivalent with a minimum grade of C+; or MATH 1000, or MATH 0610 or MATH 0630, or MATH 0650 within the last two years with a minimum grade of C+.
2. BC English 12/English 12 First Peoples with a minimum of 73% (within the last 5 years) or equivalent; or Level 5 on the composition section of the LPI (within the last 2 years); or completion of English 0600 with a C+ minimum; or completion of ESAL 0570 and 0580 with C+ minimum.

Bachelor of Computing Science – 1st and 2nd Year Plan

	FALL		WINTER	
YEAR ONE	ENGL 1100		CMNS 1290	
	COMP 1130		COMP 1230	
	MATH 1650 (or MATH 1700)		MATH 1700 (or MATH 1650)	
	Elective – Non-Computing		Elective – Non-Science	
	Elective – Non-Computing		Elective – Non-Computing	
YEAR TWO	COMP 2130		COMP 2210 (or 2680)	
	COMP 2160		COMP 2230	
	COMP 2680 (or 2210)		COMP 2920	
	Elective – General		Elective – General	
	Elective – General		Elective – General or 3 credits of Coop	

Computing Science Diploma

Graduates of the Computing Science Diploma will have considerable experience with programming languages, data structures, databases and files, hardware components and specifications, networking methodology, as well as systems. The main emphasis of the program is to highlight the importance of sound problem-solving methodology, supported by hands on instruction in the most popular and the most utilized computing software and hardware. This approach, together with courses in English and Mathematics, will ideally prepare students for work, further training and advancement. A commitment to professionalism is an essential characteristic of the program.

Admission Requirements

Same as the BCS degree program requirements.

Co-operative Education option is offered.

Academic Advising – Students registered in the CS Diploma may see Dr. Lee for planning.

Computing Science Diploma				
	FALL		**WINTER**	
YEAR ONE	ENGL 1100		CMNS 1290	
	COMP 1130		COMP 1230	
	MATH 1650 (or MATH 1700)		MATH 1700 (or MATH 1650)	
	Elective – General		Elective – General	
	Elective – General		Elective - Computing	
YEAR TWO	COMP 2130		COMP 2920	
	COMP 2160		COMP 3270	
	COMP 2210		COMP 3610	
	COMP 2230		Elective – Computing	
	COMP 2680		Elective – Computing (UL recommended)	

Note: General electives for both the Bachelor of Computing Science and the Computing Science Diploma can include COMP courses.

The **Math requirements** for both the Bachelor of Computing Science and the Computing Science Diploma changed effective September 2015, the changes were as follows:

Math 1650 replaces Math/Comp 1380

Math 1700 replaces Math/Comp 1390