



Ladder from CSOM

Name: _____

St. #: _____ Date: _____

A. BCS 1st & 2nd YEAR COURSES – 60 CREDITS – CSOM VERSION

Type	Course	BCS	CSOM	Grade	Schedule	Etc
1 COMPUTING	Computer Programming I	COMP 1130	COMP 1140			
	Computer Programming 2	COMP 1230	COMP 1240			
	Discrete Structures I	COMP 1380	MATH 1380			
	Discrete Structures II	COMP 1390	MATH 1390			
	Computer Systems	COMP 2130			Fall	
	Data Structures & Algorithms	COMP 2230			Winter	
2 OTHER REQUIRED COURSES, OUTSIDE COMPUTING SCIENCE	1. Composition	ENGL 1100	ENGL 1810			
	2. Professional Writing	ENGL 1290	ENGL 1930			
	3. Non-science elective		BBUS 1370			
	4. Non-COMP elective					
	5. Non-COMP elective					
	6. Non-COMP elective					
3 ELECTIVES (YOUR CHOICE)	1		COMP 1570			
	2		COMP 1670			
	3		COMP 2520			
	4		COMP 2540			
	5		COMP 2560			
	6		COMP 2570			
	7		COMP 2620			
	8		COMP 2630			

Notes:

1. **COMP 2120 is strongly recommended to take for those who took COMP 1240 in Winter 2008 or before and did not take COMP 2660 in Fall 2008 or after.**
2. COMP 2230 can be taken as a corequisite to some upper level courses.
3. **Work term 1** can be counted as 3 non-science lower level elective credits, **starting January 2011.**

B. BCS 3rd & 4th YEAR COURSES – 60 CREDITS – CSOM VERSION

Type	Description	BCS	CSOM	Grade	Schedule	Etc
1 COMPUTING CORE	Networks	COMP 3270			FA	
	Operating Systems	COMP 3410			FA	
	Software Eng	COMP 3520			FA	
	Web Design	COMP 3540			FA	
	Databases	COMP 3610			FA	
	Advanced Software Eng	COMP 4530			WI	During the last year
	Project	COMP 4910			WI	During the last year
2 COMPUTING ELECTIVES (300 or 400 level courses)	1.					
	2.					
	3.					
	4.					
	5.					
3 OTHER ELECTIVES 3 more must be 300 or 400 level courses (more UL computing ok)	1. Upper level					See Note 9.
	2. Upper level					See Note 9.
	3. Upper level					See Note 9.
	4.		COMP 2640			
	5.		COMP 2660			
	6.		COMP 2670			
	7.		COMP 2680			
	8.		COMP 2530			
Cumulative / Last Term GPAs						

Notes:

- At least 45 upper level credits
- At least 6 upper level CS courses at TRU
- At least 2.0 cumulative GPA for graduation
- All prerequisite must be C or better, if not specified.
- 3 specializations: Database Information System, Network Computing, Software Engineering
- Advisors: Leanne Walker (lwalker@tru.ca) for domestic students, Annie Magdalenich (amagdalenich@tru.ca) for international students
- Co-op option -> Nancy Bepple (nbepple@tru.ca)
- The BBA programs (double majoring with BBA; Minor in Management) -> SoBEdAdvisor@tru.ca
- Upper level non-CS (or non-Science) courses can be used for non-CS (or non-Science) course requirement in the first page.

Degree:

Specializations:

Database & Information	COMP3540		COMP3610		3 out of 4610, 4620, 4910, 4480, RESL3000/4000				
Network Computing	COMP3270		COMP3410		3 out of 3260(4240), 4250, 4910, 4480, RESL3000/4000				
Software Engineering	COMP3520		COMP4530		COMP4910		2 out of 3140, 3050, 4480, RESL3000/4000		

C. Specialization Designation

1. Database and Information Systems

- COMP 3540 Web Sites Design & Programming
- COMP 3610 Database Systems
- Three courses out of
 - i. COMP 4610 Advanced Database Systems
 - ii. COMP 4620 Web-based Information Systems
 - iii. COMP 4910 Projects in Computing Science (with a topic related to the specialization)
 - iv. COMP 4480 Directed Studies (with a topic related to the specialization)
 - v. RESL 3000/4000 course (with a topic related to the specialization)

2. Network Computing

- COMP 3270 Computer Networks
- COMP 3410 Operating Systems
- Three courses out of
 - i. COMP 3620 Internet, and Security Issues
 - ii. COMP 4250 Computer Network Administration
 - iii. COMP 4910 Projects in Computing Science (with a topic related to the specialization)
 - iv. COMP 4480 Directed Studies (with a topic related to the specialization)
 - v. RESL 3000/4000 course (with a topic related to the specialization)

3. Software Engineering

- COMP 3520 Software Engineering
- COMP 4530 Advanced Software Engineering
- COMP 4910 Projects in Computing Science
- Two courses out of
 - i. COMP 3140 Object-Oriented Programming
 - ii. COMP 3050 Computer Algorithms
 - iii. COMP 4480 Directed Studies (with a topic related to the specialization)
 - iv. RESL 3000/4000 course (with a topic related to the specialization)

Notes:

1. More Specializations in the future

- a. Computer Graphics, Animation, and Multimedia
- b. Computer Game Design and Development