



THOMPSON RIVERS UNIVERSITY

Academic Advising
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Direct Entry
Name: _____
St. #: _____ Date: _____

A. BCS 1st and 2nd years – 60 CREDITS

Type	Course	TRU	Other Institution	Grade	Schedule	Etc
1 COMPUTING SCIENCE REQUIRED COURSES	Computer Programming I	COMP 1130			WI, FA	Java
	Computer Programming 2	COMP 1230			WI	Java
	Discrete Structures I	COMP 1380			FA	
	Discrete Structures II	COMP 1390			WI	Possible without 138
	Computer Systems	COMP 2130			FA	
	Visual Program Design (VB)	COMP 2210			WI	Possible after 113 with min B
	Data Structures & Algorithms	COMP 2230			WI	
2 OTHER REQUIRED COURSES, OUTSIDE COMPUTING SCIENCE	1. English	ENGL 1100				See notes
	2. English	ENGL 1290 or 2290				See notes
	3. Non-science elective					
	4. Non-COMP elective					
	5. Non-COMP elective					
	6. Non-COMP elective					
3 ELECTIVES (YOUR CHOICE)	1					
	2					
	3					
	4					
	5					
	6					
	7					
Cumulative / Last Term GPAs						

Notes:

1. When the student has non-Java programming background, COMP 2120 instead of COMP 1130 and 1230.
2. COMP 2230 can be taken as a co-requisite to some upper level courses.
3. English requirements of **6 credits**; Recommendations – ENGL 1100 & 1290, or 1810 & 1930, or 1100 & 2290 (or 2300). Students with a B or better in ENGL 1100 may take ENGL 2290 (Otherwise additionally ENGL 1110).
4. The minimum required grade for all the CS prerequisites is **C or better**.
5. **Work term 1** can be counted as 3 non-science lower level elective credits, **starting January 2011**.

B. BCS 3rd and 4th years – 60 CREDITS

Type	Course	TRU	Other Institution	Grade	Schedule	Etc
1 COMPUTING CORE COURSES	Networks	COMP 3270			FA	
	Operating Systems	COMP 3410			FA	
	Software Eng	COMP 3520			FA	ENGL 1290 req'd
	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) (Your choice)	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.					
	5.					
	6.					
	7.					
	8.					
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
 - a. COMP 3540 Web Sites Design & Programming
 - b. COMP 3610 Database Systems
 - c. 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
 - a. COMP 3270 Computer Networks
 - b. COMP 3410 Operating Systems
 - c. Three courses out of
 - i. COMP 3260 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
 - a. COMP 3520 Software Engineering
 - b. COMP 4530 Advanced Software Engineering
 - c. COMP 4910 Projects in Computing Science (with a topic related to the specialization)
 - d. 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. Minimum 50% of the required courses must be taken at TRU.
2. More Specializations in the future
 - a. Computer Graphics, Animation, and Multimedia
 - b. Computer Game Design and Development

D. Recommendations

1. COMP 1570 or COMP 1020, 1030 and 1080
2. COMP 1810 and 2810 – Game Design and Development I and II
3. If interested in a co-op position after the 1st or 2nd year, take COMP 2530 and 2630
4. If interested in a co-op position after the 1st or 2nd year, take COMP 2210 in the 1st year if you achieve a grade of B or better in COMP 1130