

BBA/BCS double degree course selection guide

For students who started in Fall 2013 or Fall 2014.

This guide is designed to help CS DD students plan their core (required) courses for their first 3 years.

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Disclaimer: This guide is a handy tool, but it is not a substitute for the official degree regulations. If there is a question of interpretation or a discrepancy, the University Calendar always takes precedence.

Overview

To graduate, you must complete 52 courses:

- 19 required BUS/ECON courses
- 5 BUS electives (BUS 3xx or BUS 4xx)
- 19 required CS/MATH courses
- 4 CS electives (two from CS 340-398 or 440-489 and two from 440-489) ... also, check CS Breadth requirements)
- ENGL 210F
- 4 general electives in any subject, including CS or BUS

Business core courses

To properly plan your courses, you must understand the **business core**.

For your first 6 academic terms, you must take the following 16 courses in the specified terms:

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121		BU 127		BU 231	BU 352		BU 362	
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	
			BU 288			BU 385		BU 398	
						BU 393			

IMPORTANT: These courses cannot be rearranged or taken in different terms.

In special circumstances (e.g., an extended illness), an alternative plan may be approved by a Laurier advisor.

Here are 3 required BUS/ECON courses that are not listed above and suggestions for when to take them:

- ECON 250 or 260 (ECON 2x0) can be taken any time. Laurier “recommends” you complete the course before 3A, but this is not a requirement. Many students complete ECON 2x0 as an online course while on co-op.
- BUS 481 and BUS 491 are typically completed in 4A and 4B respectively.

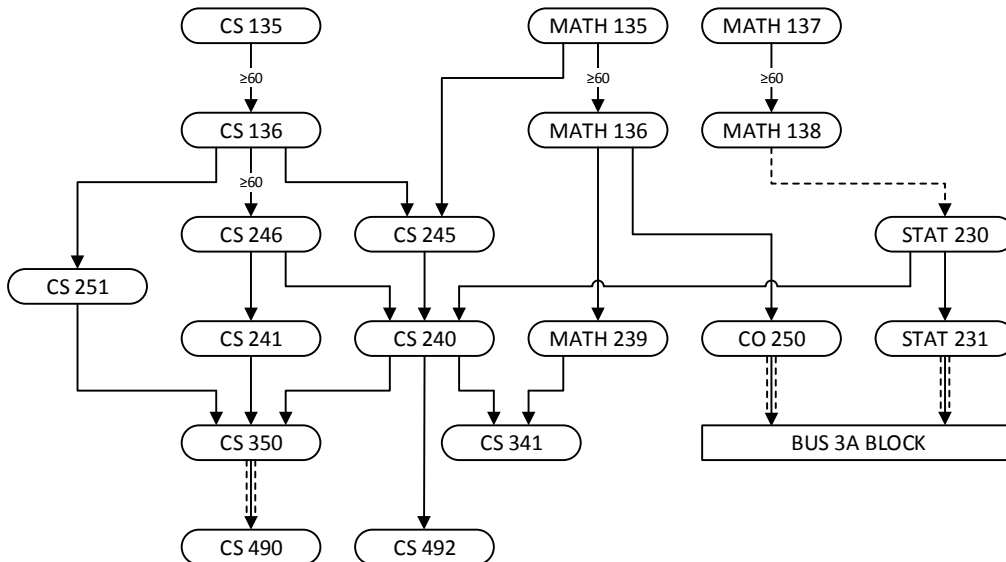
CS/MATH core courses

The arrangement of your CS/MATH core courses is much more flexible than the BUS core.

As long as course prerequisites are met, courses can be taken in any term.

Currently, all of the required CS/MATH courses (and ENGL 210F) are offered every term, except for the CS 49x courses, which are only offered in Winter and Spring.

The following prerequisite diagram will help you plan your courses.



For the full prerequisite chart and more details, visit: <https://cs.uwaterloo.ca/bbabcs-courses>.

Miscellaneous notes:

- CO 250 and STAT 231 should be completed before the BUS 3A block. You can request an override to take one of the courses in 3A (as a co-requisite) if you have completed the other course before 3A. If you fail to meet this requirement, you will likely be removed from the BBA program.
- It is “recommended” that you take CS 241 and CS 251 together, but this is a weak recommendation and not necessary.
- Many upper year courses depend on CS 341 or CS 350. Depending on which CS electives you want to take, you may wish to take CS 341 before CS 350 (or vice-versa).
- Your CS electives may not be offered every term. For the most part, CS courses are offered in the same terms year-to-year, but there is no guarantee of availability until the term before.
- Some students try to avoid having multiple “hard” Math / CS courses in the same term, but opinions of which courses are “hard” vary considerably—ask around.

At the end of this guide you’ll find several possible scheduling scenarios.

Sixth courses

- Students with a Cumulative Average (CAV) of $\geq 80\%$ are eligible to take a 6th course.
 - This option should be automatically available on Quest for students in 2A or later.
 - 1B students should email their advisor to request a “load increase”.
- Double degree students in 2A or later with a CAV between 70% and 80% may be eligible to add a 6th course.
 - They must be only 0 or +1 courses “ahead” of a regular course load.
For example, a 2A student with 10 or 11 completed courses or a 2B student with 15 or 16.
 - This special exception for DD students is intended to allow good students to graduate on time without having to take courses while on co-op, not to accommodate students who have dropped or failed courses.
 - Students should email their advisor to request a “load increase” override.

Courses during co-op terms

- Unless you are employed in the Waterloo region and can attend lectures, only online courses are encouraged during co-op terms.
- You can enroll in one course per co-op term.
- With an employer’s consent, you may be allowed to take a second course during a co-op term. Email your advisor to request a “load increase” override.

Online courses

- Prior to 2015, the only required courses available online were ENGL 210F and ECON 250 (or 260).
- Currently, more Math courses are available online (e.g., STAT 23x, CO 250). When these courses are offered regularly, there will be more possible scenarios.
- No required CS courses are available online.
- No BUS core courses can be taken online, but it may be possible to repeat a BUS course online to improve your grade.

Scenarios

This section includes various scenarios to help you schedule your terms in the way you want.

Scenario A

This sequence is suggested in the Laurier Calendar. The Calendar suggests 13 courses in 2nd year (2x6 + 1); however, this is not a popular sequence. Many students delay MATH 239 to take more CS courses earlier and take ENGL 210F during a co-op term.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121		BU 127	EC 2x0	BU 231	BU 352		BU 362	CS 341
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	CS 350
CS 135	CS 136		BU 288		MA 239	BU 385		BU 398	
MA 135	MA 136		CS 245		ST 231	BU 393		CS 241	
MA 137	MA 138		CS 246		CO 250	CS 240		CS 251	
			ST 230		EN 210F				

Scenario B

This is a very typical sequence with two 6-load terms in 2nd year and courses taken while on co-op.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	EC 2x0	BU 127	EN 210F	BU 231	BU 352		BU 362	CS 341
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	
CS 135	CS 136		BU 288		CS 241	BU 385		BU 398	
MA 135	MA 136		CS 246		CS 251	BU 393		CS 350	
MA 137	MA 138		CS 245		ST 231	CS 240		MA 239	
			ST 230		CO 250				

Scenario C

This sequence is very similar to scenario B, except that it delays the co-op courses. Scenario C is recommended for students with a CAV between 70% and 80% who would still like to take two 6-load terms.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121		BU 127		BU 231	BU 352	EC 2x0	BU 362	CS 341
EC 120	EC 140		BU 283		BU 247	BU 354	EN 210F	BU 395	
CS 135	CS 136		BU 288		CS 241	BU 385		BU 398	
MA 135	MA 136		CS 246		CS 251	BU 393		CS 350	
MA 137	MA 138		CS 245		ST 231	CS 240		MA 239	
			ST 230		CO 250				

Scenario D

This sequence is very similar to B, but moves CS 341 forward and delays CS 350.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	EC 2x0	BU 127	EN 210F	BU 231	BU 352		BU 362	CS 350
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	
CS 135	CS 136		BU 288		CS 240	BU 385		BU 398	
MA 135	MA 136		CS 246		MA 239	BU 393		CS 241	
MA 137	MA 138		CS 245		ST 231	CS 341		CS 251	
			ST 230		CO 250				

Scenario E

Some students want to avoid taking any 6-load terms in their degree. This scenario delays CS 341 to term 4B.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	EC 2x0	BU 127	EN 210F	BU 231	BU 352		BU 362	CS 350
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	MA 239
CS 135	CS 136		BU 288		CS 245	BU 385		BU 398	
MA 135	MA 136		CS 246		CO 250	BU 393		CS 241	CS 341*
MA 137	MA 138		ST 230		ST 231	CS 240		CS 251	

Scenario F

Similar to Scenario E, with no 6-load terms, except that it delays CS 350 to term 4B.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	EC 2x0	BU 127	EN 210F	BU 231	BU 352		BU 362	CS 241
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	CS 341
CS 135	CS 136		BU 288		CS 245	BU 385		BU 398	
MA 135	MA 136		CS 246		CO 250	BU 393		CS 240	CS 350*
MA 137	MA 138		ST 230		ST 231	CS 251		MA 239	

Scenario G

This sequence is for a student who wants to take as many 6-load terms as possible during their degree

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	EC 2x0	BU 127	EN 210F	BU 231	BU 352		BU 362	
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	
CS 135	CS 136		BU 288		CS 240	BU 385		BU 398	
MA 135	MA 136		CS 246		CS 241	BU 393		CS 341	
MA 137	MA 138		CS 245		ST 231	CS 350			
	ST 230		CS 251		CO 250	MA 239			

Scenario H

This sequence is for a student who wants to take as many 6-load terms as possible in their degree, while avoiding any courses during co-op.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121		BU 127		BU 231	BU 352		BU 362	
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	
CS 135	CS 136		BU 288		CS 240	BU 385		BU 398	
MA 135	MA 136		CS 246		MA 239	BU 393		CS 350	
MA 137	MA 138		CS 245		ST 231	CS 241		CS 341	
	ST 230		EC 2x0		CO 250	CS 251		EN 210F	

Scenario I

This is a sequence for a student who takes CS 115 and CS 116 and “catches up” by taking several 6-load terms.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	EC 2x0	BU 127	EN 210F	BU 231	BU 352		BU 362	CS 350
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	
CS 115	CS 116		BU 288		CS 245	BU 385		BU 398	
MA 135	MA 136		CS 136		CS 246	BU 393		CS 241	
MA 137	MA 138		CO 250		CS 251	CS 240		CS 341	
			ST 230		ST 231	MA 239			

Scenario J

This is a sequence for a student who takes CS 115 and CS 116 and avoids any 6-load terms. This delays CS 350 and CS 341 to 4B.

1A	1B	CO-OP	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	EC 2x0	BU 127	EN 210F	BU 231	BU 352		BU 362	CS 240
EC 120	EC 140		BU 283		BU 247	BU 354		BU 395	MA 239
CS 115	CS 116		BU 288		CS 246	BU 385		BU 398	
MA 135	MA 136		CS 136		CO 250	BU 393		CS 241	CS 350*
MA 137	MA 138		ST 230		ST 231	CS 245		CS 251	CS 341*

Scenario K

This sequence is for a Laurier-based student who wants to use their first “off” term to get ahead in CS and MATH.

1A	1B	OFF	2A	CO-OP	2B	3A	CO-OP	3B	4A+
F	W	S	F	W	S	F	W	S	
BU 111	BU 121	CS 246	BU 127		BU 231	BU 352		BU 362	
EC 120	EC 140	CS 245	BU 283		BU 247	BU 354		BU 395	
CS 135	CS 136	CS 251	BU 288		ST 231	BU 385		BU 398	
MA 135	MA 136	ST 230	CS 240		CO 250	BU 393		CS 341	
MA 137	MA 138	EC 2x0	CS 241		EN 210F	MA 239		CS 350	

More scenarios may be added. Email Dave if you have suggestions.