

2012-2013 BMath(Computer Science) Checklist

Under "Required Courses" fill in forty unique courses (20 units) that you have passed but not excluded. Then verify that those courses also satisfy the "Additional Constraints".

| Required Courses | Additional Constraints | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|---|--------------------------------------|--|---------------------------------------|---------------------------------|---------------------------------------|---------------------------------|---------------------------------------|---------------------------------|--------------------------------------|---------------------------------|--------------------------------------|---------------------------------|--------------------------------------|---------------------------------|--------------------------------------|---------------------------------|--------------------------------------|--|--|--|---|--|--------------------------|-------------------------------------|--------------------------|-------------------------------------|--------------------------|--|---|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|--------------------------|--|
| <table border="0"> <tr> <td><input type="checkbox"/> 7.5 CS Units</td> <td><input type="checkbox"/> 4.5 Math units</td> </tr> <tr> <td><input type="checkbox"/> CS 115 or 135 or 145</td> <td><input type="checkbox"/> Math 1[34]5</td> </tr> <tr> <td><input type="checkbox"/> CS 136 or 146</td> <td><input type="checkbox"/> Math 1[034]6</td> </tr> <tr> <td><input type="checkbox"/> CS 240</td> <td><input type="checkbox"/> Math 1[234]7</td> </tr> <tr> <td><input type="checkbox"/> CS 241</td> <td><input type="checkbox"/> Math 1[234]8</td> </tr> <tr> <td><input type="checkbox"/> CS 245</td> <td><input type="checkbox"/> Math 2[34]5</td> </tr> <tr> <td><input type="checkbox"/> CS 246</td> <td><input type="checkbox"/> Math 2[34]7</td> </tr> <tr> <td><input type="checkbox"/> CS 251</td> <td><input type="checkbox"/> Math 2[34]9</td> </tr> <tr> <td><input type="checkbox"/> CS 341</td> <td><input type="checkbox"/> Stat 2[34]0</td> </tr> <tr> <td><input type="checkbox"/> CS 350</td> <td><input type="checkbox"/> Stat 2[34]1</td> </tr> <tr> <td><input type="checkbox"/> CS 360 or 365</td> <td></td> </tr> <tr> <td><input type="checkbox"/> CS 370 or 371</td> <td><input type="checkbox"/> 1.5 Additional Math Units¹</td> </tr> <tr> <td><input type="checkbox"/> CS 340-398; 440-489</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> CS 440-489</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> CS 440-489</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/> CS 440-498 or CS 499T or CS 6xx or CS 7xx or STAT 440 or CO 487</td> <td><input type="checkbox"/> 5.0 Non-math Units</td> </tr> <tr> <td><input type="checkbox"/> 1.5 Elective Units</td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td><input type="checkbox"/></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> <tr> <td></td> <td><input type="checkbox"/></td> </tr> </table> | <input type="checkbox"/> 7.5 CS Units | <input type="checkbox"/> 4.5 Math units | <input type="checkbox"/> CS 115 or 135 or 145 | <input type="checkbox"/> Math 1[34]5 | <input type="checkbox"/> CS 136 or 146 | <input type="checkbox"/> Math 1[034]6 | <input type="checkbox"/> CS 240 | <input type="checkbox"/> Math 1[234]7 | <input type="checkbox"/> CS 241 | <input type="checkbox"/> Math 1[234]8 | <input type="checkbox"/> CS 245 | <input type="checkbox"/> Math 2[34]5 | <input type="checkbox"/> CS 246 | <input type="checkbox"/> Math 2[34]7 | <input type="checkbox"/> CS 251 | <input type="checkbox"/> Math 2[34]9 | <input type="checkbox"/> CS 341 | <input type="checkbox"/> Stat 2[34]0 | <input type="checkbox"/> CS 350 | <input type="checkbox"/> Stat 2[34]1 | <input type="checkbox"/> CS 360 or 365 | | <input type="checkbox"/> CS 370 or 371 | <input type="checkbox"/> 1.5 Additional Math Units ¹ | <input type="checkbox"/> CS 340-398; 440-489 | <input type="checkbox"/> | <input type="checkbox"/> CS 440-489 | <input type="checkbox"/> | <input type="checkbox"/> CS 440-489 | <input type="checkbox"/> | <input type="checkbox"/> CS 440-498 or CS 499T or CS 6xx or CS 7xx or STAT 440 or CO 487 | <input type="checkbox"/> 5.0 Non-math Units | <input type="checkbox"/> 1.5 Elective Units | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> Non-math units that satisfy one of: <ul style="list-style-type: none"> <input type="checkbox"/> A minor, joint or full Honours plan from outside of the Mathematics Faculty <input type="checkbox"/> Elective breadth and depth requirement²: <ul style="list-style-type: none"> <input type="checkbox"/> All of (breadth): <ul style="list-style-type: none"> <input type="checkbox"/> 1.0 units from the humanities <input type="checkbox"/> 1.0 units from the social sciences <input type="checkbox"/> 0.5 units from the pure sciences <input type="checkbox"/> 0.5 units from the pure and applied sciences <input type="checkbox"/> One of (depth): <ul style="list-style-type: none"> <input type="checkbox"/> 1.5 units in the same subject area with at least 0.5 units at the 3rd year level or higher <input type="checkbox"/> 1.5 units with the same subject forming a prerequisite chain of length three <input type="checkbox"/> An alternate plan approved by a CS Advisor <input type="checkbox"/> Seven (regular) or eight (co-op) terms enrolled in at least three courses totaling 1.5 units <input type="checkbox"/> No more than 3.0 units of excluded courses <input type="checkbox"/> CS Major Average of 60% or higher <input type="checkbox"/> Cumulative Average of 60% or higher <input type="checkbox"/> English Writing Skills <input type="checkbox"/> Coop requirements met, if applicable, including a minimum of five PD courses. |
| <input type="checkbox"/> 7.5 CS Units | <input type="checkbox"/> 4.5 Math units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 115 or 135 or 145 | <input type="checkbox"/> Math 1[34]5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 136 or 146 | <input type="checkbox"/> Math 1[034]6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 240 | <input type="checkbox"/> Math 1[234]7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 241 | <input type="checkbox"/> Math 1[234]8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 245 | <input type="checkbox"/> Math 2[34]5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 246 | <input type="checkbox"/> Math 2[34]7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 251 | <input type="checkbox"/> Math 2[34]9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 341 | <input type="checkbox"/> Stat 2[34]0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 350 | <input type="checkbox"/> Stat 2[34]1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 360 or 365 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 370 or 371 | <input type="checkbox"/> 1.5 Additional Math Units ¹ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 340-398; 440-489 | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 440-489 | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 440-489 | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> CS 440-498 or CS 499T or CS 6xx or CS 7xx or STAT 440 or CO 487 | <input type="checkbox"/> 5.0 Non-math Units | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> 1.5 Elective Units | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <input type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Disclaimer: This checklist is a handy tool but 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

¹ Three additional courses labeled ACTSC, AMATH, CO, CM, PMATH, STAT, excluding the following:

- Courses with requisites normally excluding Honours CS students
- Courses cross-listed with a CS course
- Courses explicitly listed in CS major plans as alternatives to CS courses
- Readings and Topics courses
- ACTSC 221, CO 352, CO 353/CM 441, CO 380, 480

² See <http://www.cs.uwaterloo.ca/current/programs/require/2012-2013/depthAndBreadth.shtml>