

**Curriculum Council Consent Agenda Addendum
April 6, 2009**

I. Change in Prerequisite Structure for Mathematics

2008-09 Prerequisite Structures		2009-2010 Prerequisite Structure	
Course	Prerequisite	Course	Prerequisite
163	156 or 162	263	162
		264	263
165	One year of high school calculus including trigonometry. This course is recommended for students who have scored a 4 or 5 on the AP exam.	165	One year of high school calculus including trigonometry. Students who scored at least 4 on the AB or 3 on the BC Advanced Placement exams in high school should take this course.
		267	166
200	CS 135 and either Math 155, 161, or 165	200	Math 161 or 165
215	156, 162, 165 or consent of the instructor	215	161, 165 or consent of the instructor
240	157, 163, or 166	340	263 or 166
300	One of the courses 157, 163, or 166, 215 and at least one additional course at the 200- or 300-level.	300	One of the courses 263 or 166, 215 and at least one additional course at the 200- or 300-level
307	215 and 157, 163 or 166	307	215, and either 263 or 166
310	200	310	200 and either 267 or 263
311	CS 127, Math 157, 163, or 166, 215, and consent of instructor	311	CS 127, Math 263, or 166, 215, and consent of instructor
324	157, 163, or 166 and 200 or 215	324	215, and either 263 or 166
330	157, 163, or 166 and 215	330	215, and either 263 or 166
351	157, 163, or 166 and 215	351	215, and either 263 or 267
389/489	Varies with topics	370/470	Varies with topics
405	200, 215, and either 157, 163 or 166	405	200, 215, and either 263 or 166
410	200, 215, and either 157, 163 or 166	410	200, 215, and either 264 or 267
415	200, 215, and either 157, 163 or 166	415	200, 215, and either 263 or 267
425	200, 215, and either 157, 163 or 166	425	200, 215, and either 263 or 166
440	200, 215, and either 157, 163 or 166	440	200, 215, and either 263 or 166

II. Change in Mathematics Major Requirements:

Current Requirements:

A minimum of ten course units in mathematics to include:

- 1) One of the calculus sequences (i), (ii), or (iii)
- 2) Math 200 and 215. Students are strongly recommend to take Computer Science 135 and then Math 200 in either their freshman or sophomore year. However, students should consult with a mathematics advisor in order to determine the best time for them to take these courses. Computer Science 135, Math 200, and Math 215 should be completed by the end of the second year.

And a minimum of six courses that satisfy the following requirements:

- 3) two courses selected from Math 405, 410, 415, 425, 440, 489
- 4) four additional electives selected from Math 240, 300, 307, 310, 311, 324, 325, 330, 351, 360, 405, 415, 425, 440 or approved 389/489
- 5) Students must take at least one 400-level mathematics in their senior year. Students are allowed to take more than two 400-level courses.

Additional course for the major: CS 135

Proposed Requirements:

A minimum of ten course units in mathematics to include:

- 1) One of the calculus sequences (i) or (ii)
- 2) Math 200 and 215. Both Math 200 and Math 215 should be completed by the end of the second year. Students should consult with a mathematics advisor in order to determine the best time for them to take these courses.

And a minimum of six courses that satisfy the following requirements;

- 3) Two courses selected from Math 405, 410, 415, 425, 440 or 470. Students must take at least one 400-level course in mathematics in their senior year. Students are allowed to take more than two 400-level courses.
- 4) Four additional electives selected from Math 300, 307, 310, 311, 324, 325, 330, 340, 351, 360, 405, 415, 425, 440 or approved 370/470.

Rationale:

The revision of the Math Curriculum in 2007-08, effective 2009-10, increased by one course the number of courses required for Math majors to complete in the first two years of their major. Dropping CS 135 will help integrate new majors into the Mathematics major and will return the number of courses required for the Mathematics major to the same number required before our Calculus and Analysis revisions in 2007-08. This revision also deletes the reference to the Mathematica sequence which is no longer offered.

III. Change in Mathematics Minor Requirements:

Current requirements:

A minimum of six course units in mathematics to include:

- 1) Math 155 and Math 156 or Math 161 and Math 162, or Math 165 and Math 166
- 2) One of: Math/CS 135, Math 157, or Math 163.
- 3) three courses selected from those numbered 200 or above, to include at least two numbered 300 or above, but excluding Math 397.

Math 105, 106, 110, 235, 397, 495, and 499 will not count towards the Mathematics major or minor.

Credit will not be allowed for both Math 151 and 165, 161 and 165, 151 and 155, etc. Moreover, credit will not be allowed for any course that is taken after the successful completion of another course for which the first course was a prerequisite.

Proposed Requirements:

A minimum of six course units in mathematics to include:

- 1) Math 161 and Math 162, or Math 165 and Math 166
- 2) Math 263 or Math 267
- 3) Math 200 or Math 215
- 4) Two additional courses numbered 300 or above, but excluding Math 397.

Math 105, 106, 110, 235, 397, 495, and 499 will not count toward the Mathematics major or minor.

Credit will not be allowed for both Math 161 and 165. Moreover, credit will not be allowed for any course that is taken after the successful completion of another course for which the first course was prerequisite.

Rationale:

CS 135 has been dropped as a pre-requisite for any Mathematics course. This revision also deletes the reference to the Mathematica sequence which is no longer offered.