**Summary Curriculum Map**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **If the course requires students to produce an artifact demonstrating student learning relevant to the outcome, indicate by placing the appropriate letter in the box (I = Introduced; D = Developed; M = Mastered). This form should be completed in concert with the “Student Learning Evidence Inventory” forms.** | | | | | | | | | | | | | | | | | |
|  | **COURSES** | | | | | | | | | | | | | | | | |
| **LEARNING OUTCOMES** | 122 | 204 | 221 | 231 | 235 | 241 | 245 | 251 | 311 | 312 | 321 | 325 | 331 | 341 | 355 | 459 | CS110 |
| Goal 1: Graduates will have experience working with the ideas representing the breadth of the mathematical sciences. Students should see a number of contrasting but complementary points of view in the topics (continuous (C) and discrete (D)), techniques (algebraic (A) and geometric (G)), and approaches (theoretical (T) and applied (Ap)) to mathematics. | I | I | I | M-Ap | M-Ap | D | D | M-G | M-Ap | M-Ap | M-CT | M-G | M-Ap | M-AT | M-G |  |  |
| Goal 2: Graduates will develop mathematical thinking, progressing from a procedural/computational understanding of mathematics to a broad understanding encompassing logical reasoning, generalization, abstraction, and proof. | I | I | I |  |  | D | D | D | D | D | M |  | D | M |  |  |  |
| GOAL 3. Graduates will communicate mathematics to others in both oral and written form with precision, clarity and organization. |  | I |  |  |  | I | D | D |  |  | D |  |  | D |  | M |  |
| GOAL 4. Graduates will acquire sufficient knowledge and proficiency in the use of appropriate technology to assist in the learning and investigation of mathematics | I | I | I | D |  | I |  | D | D | D |  |  | D |  |  | M | M |
| GOAL 5: Graduates will study at least one area of mathematics in depth, drawing on ideas and tools from previous coursework to extend their understanding. |  | I | I | D | D | D | D | D | D | M | D | M | M | D | M | M |  |