**CURRICULAR REVISIONS IN THE APRIL’18 PROPOSAL**

**PROPOSAL VOTED APRIL’18, SUBMITTED TO CCC SEPTEMBER’18**

**DEGREE REQUIREMENTS:**

# I. General Education Component

|  |  |  |  |
| --- | --- | --- | --- |
| General Education |  |  | Credits |
| *Required Common Core* |  |  |  |
| English I | ENG | 1101 | 3 |
| English II | ENG | 1121 | 3 |
| Life/Physical Science (LPS) | BIO/CHEM/PHYS | 1\*\*\* | 3 |
| Mathematical and Quantitative Reasoning (MQR)   * (MAT 1475 required) | MAT (Calculus I) | 1475 | 4 |
|  |  |  | **13** |
| *Flexible Core* |  |  |  |
| World Cultures and Global Issues (WCGI)   * (Foreign Language required) |  |  | 3 |
| US Experience in its Diversity (USED) |  |  | 3 |
| Creative Expression (CE) |  |  | 3 |
| Individual and Society (IS)   * (Required PSY 1101) | PSY | 1101 | 3 |
| Scientific World (SW)  (Required MAT 1372 Statistics with Probability) | MAT | 1372 | 3 |
| One additional Flex Core Course   * (Required MAT 2580 Linear Algebra) | MAT | 2580 | 3 |
|  |  |  | **18** |
| *College Option* |  |  |  |
| Speech/Oral Communication |  |  | 3 |
| Interdisciplinary Course  (Recommended Sociology of Education) |  |  | 3 |
| Additional Liberal Arts\* |  |  | 3 |
| Advanced Liberal Arts\*\* |  |  | 3 |
|  |  |  | **12** |
| Subtotal |  |  | **43** |

# II. Content Mathematics Component

|  |  |  |
| --- | --- | --- |
| Mathematics | MAT | Credits |
| Introduction to Computational Science | 1630 | 3 |
| Calculus II | 1575 | 4 |
|  |  |  |
| Discrete Structures and Algorithms I | 2440 | 3 |
| Introduction to Proofs | 2571 | 4 |
| Calculus III | 2675 | 4 |
| Geometry | 3050 | 4 |
| Introduction to Real Analysis | 3075 | 4 |
| Abstract Algebra | 3080 | 4 |
| History of Mathematics | 4030 | 3 |
| Subtotal |  | **33** |

# III. General Pedagogy Component

|  |  |  |
| --- | --- | --- |
| General Pedagogy | EDU | Credits |
| Human Learning and Instruction | EDU 3610/ PSY3502 | 3 |
| Methods of Literacy Instruction | EDU 3670 | 3 |
| Methods and Materials for Special Needs Students | EDU 2455 | 3 |
| Professional Development Seminar | EDU 4600 | 2 |
| Subtotal |  | **11** |

# IV. Mathematics Education Component

|  |  |  |
| --- | --- | --- |
| Mathematics Education | MEDU | Credits |
| Foundations of Mathematics Education | 1010 | 3 |
| Teaching and Learning Strategies for Math. Teachers | 1021 | 3 |
| Methods of Teaching Middle School Mathematics | 3011 | 4 |
| Methods of Teaching High School Mathematics | 3020 | 4 |
| Microteaching | 3030 | 3 |
| Mathematics of the Secondary School Curriculum | 3000 | 4 |
| Student Teaching in Middle School | 4010 | 4 |
| Student Teaching in High School | 4020 | 4 |
| Student Teaching Seminar | 4040 | 4 |
| Subtotal |  | **33** |

**TOTAL REQUIRED CREDITS: 120-122**

**REVISED PROPOSAL**

**DEGREE REQUIREMENTS:**

# I. General Education Component

|  |  |  |  |
| --- | --- | --- | --- |
| General Education |  |  | Credits |
| *Required Common Core* | | |  |
| English I ENG 1101 | | | 3 |
| English II ENG 1121 | | | 3 |
| Life/Physical Science (LPS) BIO/ CHEM/ PHYS 1\*\*\* | | | 3 |
| Mathematical and Quantitative Reasoning (MQR)  Recommended MAT (Calculus I) 1475 | | | 3 |
|  | | | **12** |
| *Required Flexible Core* | | |  |
| World Cultures and Global Issues (WCGI) (Foreign Language required) | | | 3 |
| US Experience in its Diversity (USED) | | | 3 |
| Creative Expression (CE) | | | 3 |
| Individual and Society (IS)  Recommended PSY 1101 | | | 3 |
| Scientific World (SW) Recommended MAT 1372 | | | 3 |
| One additional Flex Core Course Recommended MAT 2580 | | | 3 |
|  | | | **18** |
| *College Option* | | |  |
| Speech/Oral Communication | | | 3 |
| Interdisciplinary Course Recommended Sociology of Education | | | 3 |
| Additional Liberal Arts | | | 3 |
| Advanced Liberal Arts | | | 3 |
|  | | | **12** |
| Subtotal | | | **42** |

# II. Content Mathematics Component

|  |  |  |
| --- | --- | --- |
| Mathematics | MAT | Credits |
| Calculus I | 1475 | 4 |
| Calculus II | 1575 | 4 |
| Calculus III | 2675 | 4 |
| Statistics with Probability | 1372 | 3 |
| Introduction to Proofs | 2571 | 4 |
| Linear Algebra | 2580 | 3 |
| Geometry | 3050 | 4 |
| Introduction to Real Analysis | 3075 | 4 |
| Abstract Algebra | 3080 | 4 |
| History of Mathematics | 4030 | 3 |
|  |  |  |
| Subtotal |  | **37** |

# III. General Pedagogy Component

|  |  |  |
| --- | --- | --- |
| General Pedagogy | EDU | Credits |
| Human Learning and Instruction | 3610 | 3 |
| Methods of Literacy Instruction | 3760 | 3 |
| Methods and Materials for Special Needs Students | 2455 | 3 |
| Subtotal |  | **9** |

# IV. Mathematics Education Component

|  |  |  |
| --- | --- | --- |
| Mathematics Education | MEDU | Credits |
| Foundations of Mathematics Education | 1010 | 3 |
| Teaching and Learning Strategies for Math. Teachers | 1021 | 3 |
| Peer Leader Training in Mathematics | 2901 | 1 |
| Mathematics of the Secondary School Curriculum | 3000 | 4 |
| Methods of Teaching Middle School Mathematics | 3011 | 3 |
| Methods of Teaching High School Mathematics | 3020 | 3 |
| Microteaching | 3030 | 3 |
|  |  |  |
| STUDENT TEACHING SEMESTER |  |  |
| Student Teaching in Middle School | 4001 | ~~4~~ |
| Student Teaching in High School | 4002 | ~~4~~ |
| Student Teaching Seminar | 4000 | ~~4~~ |
| Subtotal |  | **32** |

**Table 1: Required courses by category**

**TOTAL REQUIRED CREDITS: 120**