

# EDUCATION – MATHEMATICS GRADES 4 – 8

## BACHELOR OF ARTS (B.A.)

| CORE Requirements                |           | Major Requirements                          |              |   |           |
|----------------------------------|-----------|---|--------------|---|-----------|
| Core Courses                     |           | Education Courses                           | Math Courses | Science Courses                             |           |
| ____ CORE 090 First Yr Exp.      | 1         | ____ EDUC 202                               | 3            | ____ MATH 101                               | 3         |
| ____ CORE 100 Lib Arts Sem.      | 3         | ____ EDUC 231                               | 1            | ____ MATH 102                               | 3         |
| ____ CORE 115 or 116 Oral Comm.  | 3         | ____ EDUC 232                               | 1            | ____ MATH 123 or 110                        | 3         |
| ____ CORE 140 or 141-145 Forgn.  | 3         | ____ EDUC 235 <sup>2</sup>                  | 3            | ____ MATH 127                               | 3         |
| ____ CORE 150 <sup>1</sup>       | 3         | ____ EDUC 240 <sup>2</sup>                  | 3            | ____ MATH 129                               | 4         |
| ____ CORE 170-179 The Arts       | 3         | ____ EDUC 270 <sup>2</sup>                  | 3            | ____ MATH 130                               | 4         |
| ____ CORE 250-259 Syst. Theology | 3         | ____ <b>EDUC 299<sup>3</sup></b>            | <b>0</b>     | ____ MATH 128                               | 4         |
| ____ CORE 260-269 Mor. Theology  | 3         | ____ EDUC 305 <sup>2,3</sup>                | 3            | ____ MATH Elective*                         | 3         |
| ____ CORE 280 Philos. I          | 3         | ____ EDUC 350 <sup>2,3</sup>                | 3            | ____ MATH Elective*                         | 3         |
| ____ CORE 281-289 Philos. II     | 3         | ____ EDUC 410 <sup>2,3</sup> SS Methods     | 3            | ____ Intro:                                 | 3         |
|                                  |           | ____ EDUC 411 <sup>2,3</sup> M Methods      | 3            | ____ CORE 270                               |           |
|                                  |           | ____ EDUC 412 <sup>2,3</sup> Sci Methods    | 3            | ____ Life Sciences: ( <i>choose 1</i> )     | 3         |
|                                  |           | ____ EDUC 413 <sup>2,3</sup> LA Methods     | 3            | ____ CORE 273                               |           |
|                                  |           | ____ EDUC 440 <sup>3</sup>                  | 3            | ____ CORE 275                               |           |
|                                  |           | ____ EDUC 417 <sup>2,3</sup> Stud Teach Sem | 10           | ____ Physical Sciences: ( <i>choose 1</i> ) | 3         |
|                                  |           | ____ EDUC 418 <sup>2,3</sup> Stud Teach Sem | 2            | ____ PHYS 100                               |           |
|                                  |           |   |              | ____ CORE 272                               |           |
|                                  |           |   |              | ____ CORE 277                               |           |
|                                  |           |   |              | ____ Earth/Space Sci: ( <i>choose 1</i> )   | 3         |
|                                  |           |   |              | ____ ENST 200                               |           |
|                                  |           |   |              | ____ CORE 271                               |           |
|                                  |           |   |              | ____ CORE 274                               |           |
|                                  |           |   |              |   | <b>12</b> |
|                                  |           |   |              | <b>English Courses</b>                      |           |
|                                  |           |   |              | ____ CORE 110                               | 3         |
|                                  |           |   |              | ____ CORE 161 – 169                         | 3         |
|                                  |           |   |              | ____ ENGL Elective**                        | 3         |
|                                  |           |   |              | ____ ENGL Elective**                        | 3         |
|                                  |           |   |              |   | <b>12</b> |
|                                  |           |   |              | <b>Social Studies Courses</b>               |           |
|                                  |           |   |              | ____ CORE 131 or 133                        | 3         |
|                                  |           |   |              | ____ CORE 181 <sup>1</sup>                  | 3         |
|                                  |           |   |              | ____ CORE 192 <sup>1</sup>                  | 3         |
|                                  |           |   |              | ____ HIST 258                               | 3         |
|                                  |           |   |              |   | <b>12</b> |
|                                  |           |   |              |   | <b>36</b> |
|                                  | <b>28</b> |   | <b>47</b>    | <b>30</b>                                   | <b>36</b> |

**Total Credits Required for Graduation = 141**

\*All students majoring in Mathematics/Education 4 – 8 must take two (2) Math (MATH) Electives from the group below:

### Math Electives (suggested)

MATH 235

MATH 237

MATH 236<sup>4</sup>

MATH 238

Although MATH 235, MATH 236, MATH 237, and MATH 238 are suggested, other Mathematics courses may be acceptable with prior approval from the Chairs of the Education and Mathematics Departments.

\*\*All students majoring in Mathematics/Education 4 – 8 must take two (2) English (ENGL) Electives from the group below:

### English Electives (suggested)

ENGL 200 Foundations Seminar: The History of Literature in English

ENGL 225 Introduction to Creative Writing

ENGL 222 Introduction to Professional Writing

ENGL 241 Advanced Writing

Although ENGL 200, ENGL 222, ENGL 225, and ENGL 241 are suggested, other English courses may be acceptable with prior approval from the Chairs of the Education And English Departments.

<sup>1</sup>Students majoring in Education – Mathematics Grades 4 – 8 are required to take CORE 150, CORE 181, CORE 192. These courses satisfy both major and CORE requirements.

- CORE 150 satisfy the CORE Social Science requirement and the Interdisciplinary Introduction to the Social Science
- CORE 181 satisfies the American Studies CORE requirement
- CORE 192 satisfies the CORE Contemporary Global Studies requirement

<sup>2</sup> Updated Child Abuse & Criminal Record & FBI Clearances **REQUIRED** for EDUC 235, EDUC 240, EDUC 270, EDUC 305, EDUC 350, EDUC 410 SS Methods, EDUC 411 M Methods, EDUC 412 Sci Methods, EDUC 413 LA Methods, EDUC 417 and EDUC 418.

<sup>3</sup> EDUC 299 Basic Skills is a pre-requisite for all 300 and 400 level education courses. In order to register for this course, you must take and pass all basic skills tests. **A student will be required to change their major after their sophomore year if EDUC 299 is not passed.**

<sup>4</sup> MATH 236 offered spring semester even years only. Students should take this course during their 2<sup>nd</sup> or 3<sup>rd</sup> year.

### General Information:

A student must earn a minimum of 120 credit hours to be awarded the baccalaureate degree. The number of credit hours required for graduation may be higher in certain major programs **or** if the student elects to pursue a second major. Beyond the requirements of the Core Curriculum and of a student's chosen major program, the balances of the credit hours required for graduation are "free electives." **Because of the CORE, Major, and Secondary Education requirements, there are no "Free Electives" for students majoring in Education – Mathematics Grades 4 – 8.**

# EDUCATION – MATHEMATICS GRADES 4 – 8

## SUGGESTED SEQUENCE

- Use the information below as a guide when selecting courses.
- Refer to the reverse side when selecting major courses, major electives, core courses, and free electives when applicable.
- Consult your Academic Advisor prior to course registration.
- Refer to the King’s College Catalog and/or website for course titles and descriptions.
- Choose one course from each CORE category as listed on the reverse side.
  - CORE courses may be taken in any order approved by the academic advisor with the following conditions:
    - CORE 100 and CORE 110 should be taken in the first year.
    - CORE 115 (or 116) should be taken within the first two years.
    - For students selecting a Foreign Language (CORE 14x), every effort should be made to register for that language in the first semester at King’s.

| 4 Years (Student Teaching in Spring Semester of Senior Year)   |  |           |                   |  |           |
|--|--|-----------|-------------------|--|-----------|
| 1st Year - Fall  |  | cr.       | 1st Year - Spring |  | cr.       |
| _____  | MATH 101 Theory of Arithmetic                                | 3         | _____             | MATH 102 Algebra & Geometry                                | 3         |
| _____  | CORE   | 3         | _____             | CORE ( <i>Social Studies Category</i> )                    | 3         |
| _____  | CORE 110 Effective Writing ( <i>English Category</i> )       | 3         | _____             | CORE 16x Literature ( <i>English Category</i> )            | 3         |
| _____  | CORE   | 3         | _____             | MATH 123 Finite Mathematics <b>or</b> MATH 110 Precalculus | 3         |
| _____  | EDUC 202   | 3         | _____             | CORE   | 3         |
| _____  | CORE 090 First Year Experience                               | 1         | _____             | EDUC 231 Technology Module I                               | 1         |
|  |  | <b>16</b> |                   |  | <b>16</b> |
| 2nd Year - Fall  |  |           | 2nd Year - Spring |  |           |
| _____  | MATH 127 Logic & Axiomatics                                  | 3         | _____             | MATH 130 Analytic Geometry & Calculus II                   | 4         |
| _____  | MATH 129 Analytic Geometry & Calculus I                      | 4         | _____             | CORE   | 3         |
| _____  | CORE ( <i>Science Category</i> )                             | 3         | _____             | Science Category Course                                    | 3         |
| _____  | CORE ( <i>Social Studies Category</i> )                      | 3         | _____             | CORE ( <i>Social Studies Category</i> )                    | 3         |
| _____  | ENGL Elective ( <i>English Category</i> )                    | 3         | _____             | EDUC 270 <sup>2</sup> Introduction to Special Education    | 3         |
| _____  | EDUC 235 <sup>2</sup> Sec. Development, Cognition, & Learn   | 3         | _____             | CORE   | 3         |
|  |  | <b>19</b> | _____             | <b>EDUC 299<sup>3</sup></b>                                | <b>0</b>  |
|  |  |           |                   |  | <b>19</b> |
| <b>Admission to Candidacy</b> (Complete and return “Application for Teacher Education Program Candidacy” to Education Administrative Assistant no sooner than the completion of 48 credits and no later than 65 credits) |  |           |                   |  |           |
| 3rd Year - Fall  |  |           | 3rd Year - Spring |  |           |
| _____  | MATH 128 Intro to Stats., Data Analys., & Appl. to Life Sci. | 4         | _____             | MATH Elective ( <i>Math Category</i> )                     | 3         |
| _____  | EDUC 305 <sup>2,3</sup> Assessment I                         | 3         | _____             | Science Category Course                                    | 3         |
| _____  | EDUC 232 Technology Module II                                | 1         | _____             | EDUC 350 <sup>2,3</sup> Secondary Classroom Management     | 3         |
| _____  | ENGL Elective ( <i>English Category</i> )                    | 3         | _____             | EDUC 410 SS Methods  | 3         |
| _____  | HIST 258 PA Survey ( <i>Social Studies Category</i> )        | 3         | _____             | CORE   | 3         |
| _____  | CORE ( <i>Science Category</i> )                             | 3         | _____             | EDUC 240 Secondary ELL Methods                             | 3         |
| _____  | CORE   | 3         |                   |  |           |
|  |  | <b>20</b> |                   |  | <b>18</b> |
| 4th Year - Fall  |  |           | 4th Year - Spring |  |           |
| _____  | CORE   | 3         | _____             | EDUC 417 <sup>2,3</sup> Observation & Student Teach.       | 10        |
| _____  | MATH Elective ( <i>Math Category</i> )                       | 3         | _____             | EDUC 418 <sup>2,3</sup> Student Teaching Seminar           | 2         |
| _____  | CORE   | 3         | _____             | EDUC 440 <sup>3</sup> Inclusive Education                  | 3         |
| _____  | EDUC 411 <sup>2,3</sup> M Methods                            | 3         |                   |  |           |
| _____  | EDUC 412 <sup>2,3</sup> Sci Methods                          | 3         |                   |  |           |
| _____  | EDUC 413 <sup>2,3</sup> LA Methods                           | 3         | _____             | <b>Take PECT Math 4 – 8 Modules</b>                        |           |
|  |  | <b>18</b> |                   |  | <b>15</b> |

**Total Credits Required for Graduation = 141**

\*\*\* Students are encouraged to take some CORE courses during the summer months to help “lighten” their course load during a semester.