Advising Checklist
Liberal Studies – Elementary and Middle School Licensure Program: MATH
2017-2018

General Education. Select one course for each goal.
*Required for the Liberal Studies major.

_____  Goal 1  1 cr.   LSEM 100

_____  Goal 2  3 cr.   ENGL 150

_____  Goal 3  3 cr.   ENGL 201, 202, or 203;
                     FREN, GERM, or SPAN 341, 342;
                     SPAN 352

_____  Goal 4  3 cr.   ART 121, 125, 160, 201;
                     ENGL 315, 316, 317, 318;
                     MUSC 221, 222, 224;
                     THEA 101;
                     All three: MUSC 102, MUSC 103, MUSC 104 (1 cr. each) or MUSC 105, 106, 107 (1 cr. each)

_____  Goal 5  3 cr.   *MATH 121

_____  Goal 6  4 cr.   CHEM 101;
                     GNED 162, 261;
                     PHYS 105

_____  Goal 7  3 cr.   HIST 100 or 110

_____  Goal 8  3 cr.   *POSC 150

_____  Goal 9  3 cr.   ANTH 101;
                     GEOG 220;
                     HIST 120, 130, 200, 202, 210;
                     HLTH 210;
                     MUSC 225;
                     POSC 245, 255;
                     RELI 242;
                     SPAN 331

_____  Goal 10  3 cr.   FREN, GERM, or SPAN 201

_____  Goal 11  2 cr.   PHED 101, RECR 101

_____  Goal 12  3 cr.   PHIL 308, 315, 316

_____  Goal 13  3 cr.   ENGL 400;
                     GNED 495

_____  Goal 14  Your Professional Semester meets this requirement.
## Liberal Studies Major Requirements

### English  
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| ENGL 380: Children’s Literature  
- 3 cr. |
| *ENGL 382: Grammar: Theory and Practice  
- 3 cr. |
| ENGL 483: Writing Theory & Practice for the Elementary Classroom  
- 3 cr. |

### Mathematics  
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| MATH 121: Functions and Graphs  
- 3 cr. |
| MATH 309*: Numeration Systems  
- 3 cr. |
| MATH 310: Probability, Statistics and Programming  
- 3 cr.  
  *take before 310 & 313 |
| MATH 313: Geometry and Reasoning  
- 3 cr. |

**Middle School Mathematics Concentration**  
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| MATH 164: Precalculus  
- 4 cr. |
| MATH 262: Differential and Integral Calculus II  
- or MATH 261: Differential and Integral Calculus  
- 4 cr. |
| MATH 430: Mathematics in the Middle School  
- 3 cr. |
| CMSC 121: Introduction to Computer Science  
- or CMSC 160: Introduction to Algorithmic Design  
- 3 cr. |

**Optional Algebra I Endorsement**  
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| Math 280: Linear Algebra  
- 3 cr. |
### Social Sciences 12 cr.
- _____ POSC 150: American Government and Politics 3 cr.
- _____ HIST 221: US History Colonial Times to 1877 3 cr.
  or HIST 222: US History 1877 to Modern Times
- _____ GEOG 310: Thinking Geographically 3 cr.  
  *Take as co-requisite or after HIST 370
- _____ HIST 370: Virginia Studies 3 cr.  
  *Take as co-requisite or pre-requisite with GEOG 310

### Natural Sciences 11 cr.
- _____ BIOL 114: Fundamentals of Life Science 4 cr.
- _____ EASC 300: The Dynamic Planet 3 cr.
- _____ PHYS 103: Conceptual Physics 4 cr.

### Fine Arts – Choose one. 3 cr.
- _____ ART 448, MUSC448, or THEA 448 3 cr.

### Health & Kinesiology 3 cr.
- _____ KINS 389: Methods of Teaching Health and P.E. 3 cr.
  for Elementary Classroom Teachers

### Professional Education Courses

*Students must be admitted into the Teacher Prep Program before taking any 300 or 400 level EDUC courses.*
### Freshman

______ EDUC 245: Human Growth and Development 3 cr.

### Sophomore

______ EDUC 261: Introduction to Teaching: Practicum 3 cr.

### Junior

**EDUC 310, EDUC 380, and EDUC 361 MUST all be taken together during the semester prior to Partnership.**

______ SPED 389: Survey of Exceptional Children (DO NOT need to be in teacher prep) 3 cr.

______ EDUC 310: Foundations of Literacy 3 cr.

______ EDUC 380: Classroom Assessment 2 cr.

______ EDUC 361: Practicum Integration 2 cr.

### Senior

**Partnership Semester**

16 cr.

These courses **MUST be taken together during the semester prior to Student Teaching.**

______ EDUC 423: Elementary Literacy Method 3 cr.


______ EDUC 461: Practicum Application 3 cr.

______ EDUC 467: Classroom Management and Systems Issues 3 cr.

______ EDUC 443: Middle School Literacy, Math, Science, and Social Studies Methods 4 cr.

### Professional Semester

12 cr.

______ EDUC 400: Middle School Directed Student Teaching 12 cr.