<table>
<thead>
<tr>
<th>Student Name:</th>
<th>Credits</th>
<th>Transfer Institutions (X)</th>
<th>Credits</th>
</tr>
</thead>
</table>

### General Education: 34 Semester Hours (S.H.)

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation</td>
<td>STME 1401 Chemical Systems I</td>
<td>4</td>
</tr>
<tr>
<td>GE 1000</td>
<td>STME 1601 Chemical Systems II</td>
<td>4</td>
</tr>
<tr>
<td>ENG 1030</td>
<td>STME 2603 Probabilistic Methods in Science</td>
<td>4</td>
</tr>
<tr>
<td>STME 1403</td>
<td>STME 2610 Current Issues in Science &amp; Technology</td>
<td>1</td>
</tr>
<tr>
<td>COMM 1402</td>
<td>STME 3610 Current Issues in Science &amp; Technology II</td>
<td>1</td>
</tr>
<tr>
<td>GE 2024</td>
<td>CHEM 2283 Quantitative Analysis</td>
<td>4</td>
</tr>
</tbody>
</table>

### Disciplinary / Interdisciplinary Distribution Requirements: 20 S.H.

<table>
<thead>
<tr>
<th>Distribution</th>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>CHEM 2583 Organic Chemistry Laboratory I</td>
<td>2</td>
</tr>
<tr>
<td>*ENG 2403</td>
<td>CHEM 2584 Organic Chemistry Laboratory II</td>
<td>2</td>
</tr>
<tr>
<td>Fine Arts or Art History</td>
<td>CHEM 2491 Inorganic Chemistry</td>
<td>3</td>
</tr>
<tr>
<td>Music or Theater</td>
<td>CHEM 3284 Instrumental Methods of Analysis WE</td>
<td>4</td>
</tr>
<tr>
<td>Philosophy or Religion</td>
<td>CHEM 3381 Physical Chemistry Lecture I</td>
<td>3</td>
</tr>
<tr>
<td>Foreign Language</td>
<td>CHEM 3901 Independent Chemistry Research I</td>
<td>1</td>
</tr>
<tr>
<td>Interdisciplinary</td>
<td>CHEM 4908 Seminar in Chemistry</td>
<td>3</td>
</tr>
</tbody>
</table>

### Social Sciences: 6 S.H.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIST 1000 History of Civil Society in America</td>
<td>3</td>
</tr>
<tr>
<td>PSY 1000 General Psychology</td>
<td>3</td>
</tr>
</tbody>
</table>

### Science and Mathematics: 8 S.H.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>STME 1603</td>
<td>MATH 3451 (Calc. III) (prereq for PChem &amp; Physics III)</td>
</tr>
</tbody>
</table>

### FREE ELECTIVES: 6 S.H.

At least 50% must be at 3000-4000 level

### Professional Education Requirements: 18 S.H.

Grades of (B-) or better in professional education courses and “Satisfactory” grade in EMSE 3801 are required. Graduate courses require a grade of “B” or better.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMSE 2801</td>
<td>EMSE 3230 Science Education K-12</td>
</tr>
<tr>
<td>ES 1000</td>
<td>EDUC 3000 Curriculum, Evaluation and the Learner</td>
</tr>
<tr>
<td>PSY 2110</td>
<td>EMSE 3801 Field Experience in Instruction In Subject Areas K-12</td>
</tr>
<tr>
<td>STME 2601</td>
<td>EMSE 3903 Teaching English Language Learners</td>
</tr>
<tr>
<td>STME 2403</td>
<td>EMSE 5315 Intro to Language Arts &amp; Reading In Teaching Content Areas</td>
</tr>
<tr>
<td>PHYS 2096</td>
<td>EMSE 5320 Computers in the School Curriculum I</td>
</tr>
<tr>
<td>PHYS 2097</td>
<td></td>
</tr>
</tbody>
</table>

### TOTAL CREDITS:

- Required of all Freshmen and Transfers with fewer than 10 credits.
- *(G.E)* General Education required course.
- Foundations & Additional Requirements require grade of C or better, except ENG 1030 requires B or better.
- Prerequisite of qualifying placement test score or the equivalent of MATH 1054.
- Credit granted only upon completion of two semesters of elementary or intermediate foreign language.
- A minimum grade of C in no more than two major courses, including capstone. A grade of B- or higher in remaining major courses.
- WE: Writing Emphasis course.
GENERAL EDUCATION INFO & REQUIREMENTS

Testing and Placement
Incoming freshmen and transfer students may be placed in specific GE Foundations, Developmental or ESL courses as a result of testing prior to registration. Students may be exempt from testing due to SAT scores or prior college work.

Prerequisites and Equivalencies for GE Foundations Courses

ENG 1030
Prereq: Placement testing
Equiv: ENG 1031/32; 1033/34; 1430; ENG 1020; 1400

MATH 1000
Prereq: Placement testing
Equiv: MATH 1001/02; 1003/04; 1051

COMM 1402
Prereq: Placement testing
Equiv: ENG 1031/32; 1033/34
May be taken concurrently with ENG 1030
Equiv: COMM 1400

GE 2021-2024 Research & Technology is offered as college-based course
GE 2021 College of BPA
GE 2022 College of ED
GE 2023 College of AHSS
GE 2024 College of NAHS
Prereq: ENG 1030 or equivalent
Equiv: GE 2020

Course Paired with Reading
Must be taken concurrently with CS 0412 if required by placement testing.

GE Distribution Courses
All courses under the General Education Disciplinary/Interdisciplinary Distribution requirements must be selected from the Approved General Education Distribution Course List, printed in Registration Bulletin. These courses are designated as GEHU, GESS, GESM, GEHPE or GECP.

GEHU Humanities
GESS Social Sciences
GESM Science and Mathematics
GEHPE Health and Physical Education

Required GE Distribution Courses
ENG 2403 is a required Humanities Distribution course with an emphasis on diversity.
HIST 1000 is a required Social Sciences Distribution course with an emphasis on diversity.

Foreign Language Credit
The three credits for a foreign language that may satisfy the GE Disciplinary/Interdisciplinary Distribution Requirement are awarded only upon successful completion of two semesters of study at the introductory or intermediate level.

Major/GE Capstone Course
A Capstone course is a major course that satisfies three credits of GE requirements. Each major guide sheet will count three credits for the Capstone as either GE credits or major credits, but not both.

UNIVERSITY REQUIREMENT

Writing-Emphasis Requirement
All students are required to complete one “Writing-Emphasis” course. The “W-E” course must be within the major portion of your program. Consult your major program advisor for specific information.

Course Prerequisites
ENG 2403: ENG 1030 (or equivalent) & completion of any freshmen placement requirements in reading.
PSY 2110: PSY 1000
PHYS 2096: PHYS 2095 (Physics I), MATH 2412 (Calculus II)
PHYS 2097: PHYS 2096, MATH 3451 (Calculus III)
CHEM 2491: MATH 2411 (Calculus I), C or better in CHEM 1084 (Chemistry II)
CHEM 2283: CHEM 1084 or equivalent with minimum grade of C.
CHEM 2581: CHEM 1084 or instructor permission.
CHEM 2583: Corequisite CHEM 2581
CHEM 2582: CHEM 2581, CHEM 2583 with minimum grade of C.
CHEM 2584: CHEM 2583 w/minimum grade of C.
CHEM 3284: CHEM 2283, MATH 2411 (Calculus I), PHYS 3097 or instructor permission.
CHEM 3381: CHEM 1084, PHYS 2096 (Physics II), MATH 3451 (Calculus III) or instructor permission.
CHEM 3901: 8 credits in chemistry plus 12 credits in 2000 level science or math & sponsoring faculty member.
CHEM 4908: ALL GELAP requirements & instructor permission.
EMSE 2801: 2.75 GPA, COMM 1402, B- or better in ENG 1030.
EMSE 3230: Declared education major, 2.75 GPA, B- or better EMSE 2801.
EMSE 3801: Declared education major, completion of 65 hours coursework, 2.75 GPA, EDUC 3000.
EMSE 3903: EMSE 3800 or 3801
EDUC 3000: Declared education major, 2.75 GPA, EMSE 2800 or 2801.
STME 1403: Qualifying testing placement or equivalent Math 1054 (Precalculus)
STME 1601: STME 1401
STME 1603: STME 1403
STME 2401: STME 1603
STME 2403: STME 1603
STME 2601: STME 1601
STME 2603: STME 1603
STME 2610: GE 2024
STME 3610: STME 2610, STME 2603, STME 2601
STME 4610: Senior standing in the five year science, technology & math education program.
Advisor's Signature__________________________________________Date________________
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