

STUDENT'S NAME \_\_\_\_\_ STUDENT ID NUMBER \_\_\_\_\_

**Departmental Requirements**

2.0 overall GPA, ready to enroll in Math 153 or 155. (Students with SAT/ACT Math of at least 540/23, composite SAT./ACT of 1030/22, and 2.5 high school GPA are advised in CEMR as General Engineering CEMR admits.)

**Total hours needed to graduate (varies for each area of engineering) = 128-132 (Dual degree requires more hours.)**

**University/College Requirements**

3 Writing (W) course (PR: Eng 101, 102)

Semester Grade D/F Status

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**General Education Curriculum** Each course can fulfill only one objective.

**Objective 1: Communication** 6 hours

3 English 101 (Should take by spring of freshman year.)

3 English 102

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**Objective 2: Basic Mathematical Skills and Scientific Inquiry** 13-14 hours

Group A: Mathematics and Economics 3 hours

4 Mathematics 155 (PR: Math 126 and 128) or 153 & 54 (C required) \* See math requirements below.

Group B: Natural and Physical Sciences 7-8 hours

4 Chemistry 115 (PR: Chem 110 or placement)

4 Physics 111 (PR: C in Math 155)

Group A, B, or C 3 hours

4 Mathematics 156 (PR: Math 155) (C or better required)

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**Objective 3: The Past and Its Traditions** 3 hours

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**Objective 4: Issues of Contemporary Society** 3-4 hours

3-4 Economics 201 (for CS, CPE, BS, IMSE, PNGE, and EE)

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**Objective 5: Artistic Expression** 3 hours

3 \_\_\_\_\_

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**Objective 6: The Individual in Society** 4 hours

1 Engineering 199 (equivalent of University 101)

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**Objective 7: American Culture** 3 hours

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**Objective 8: Western Culture** 3 hours

3 Economics 202 (for CS, CPE, BS, IMSE, PNGE, and EE)

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**Objective 9: Non-Western Culture** 3 hours

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\* Note: may count 6 hours of AFAS or Military Science toward GEC requirements.

**Math Requirements to Enter Department from General Studies/Engineering at UASC**

3 Mathematics 126 (PR: placement or workshop)

3 Mathematics 128 (PR: Math 126 or concurrent)

3 Engineering 293 (Taken concurrently with Math 126 and 128)

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**Additional Required Courses**

4 Chemistry 116 (PR: Chem 115)

Not required for Aerospace, Computer, Mechanical, or Mining Engineering, Biometric Systems, or Computer Science

4 Physics 112 (PR: Phys 111)

2 Engineering 101 (departmental permission required; PR: Math 155 or concurrent)

3 Engineering 102 (departmental permission required; Math 155 with a C or better)

4 Mathematics 251 (PR: Math 156)

4 Mathematics 261 (PR: Math 251)

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**Must have C or better in all mathematics courses up to and including Math 155.**