


Degree:

**Engineering Science AS (EGRS)**

Effective Date:

4-01-08

		SEMESTER							
CR	COURSE	CA#	TR						
1-4	HRD 100A, 100 or 110								
3	ENG 101 or ENG 100A & B								
3	Choose one course from: ENG 102 - 110								
4	CHM 111								
4	EGR 105								
4	EGR 106								
4	EGR 204								
4	EGR 222 (Prereq Required)								
4	MAT 131								
4	MAT 132								
1	PHYSICAL EDUCATION Note: PED 105, 172, 210, 211, 212 do not fulfill this requirement								
1	PHYSICAL EDUCATION Note: PED 105, 172, 210, 211, 212 do not fulfill this requirement								
3	SUNY Gen Ed Humanities								
3	SUNY Gen Ed Social Science								
4	MAT 231								
4	MAT 232								
<b><u>15-18 Core Electives: Choose from Concentration*</u></b>									
<b><u>Chemical Engineering Core Elective:</u></b>									
4	CHM 112								
4	CHM 203								
4	CHM 204								
3-4	Core Elective by Advisement								
3-4	Core Elective by Advisement								

<b><u>Electrical Engineering Core Elective:</u></b>									
3 EGR 183									
3 CIS 143									
3 CIS 144									
4 EGR 223									
<b><u>Mechanical /Civil Engineering Core Elective:</u></b>									
3 EGR 207									
3 EGR 209									
3-4 Core Elective by Advisement									
3-4 Core Elective by Advisement									
3-4 Core Elective by Advisement									
<b><u>Computer Engineering Core Elective:</u></b>									
3 EGR 183									
3 CIS 143									
3 CIS 144									
3-4 Core Elective by Advisement									
4 Choose 1 course from the following: CIS 243 or EGR 223									
66-69 <b>minimum</b> credits required for graduation									
									66+

Note: Please review the back of this form for additional information.

❖ **Financial Aid Recipients:** You **must** choose courses that are within your degree program. Visit the Advisement Center in Warren Hall if you have any questions.

# Notes on Engineering Science AS

## Concentration Areas

### Chemical Engineering Core Elective

4	CHM 112
4	CHM 203
4	CHM 204
3	Core Elective by Advisement
3	Core Elective by Advisement

### Mechanical/Civil Engineering Core Elective

3	EGR 207
3	EGR 209
3-4	Core Elective by Advisement
3-4	Core Elective by Advisement
3-4	Core Elective by Advisement

### Electrical Engineering Core Elective

3	EGR 183
4	CIS 143
4	CIS 144
3-4	EGR 223
3-4	Core Elective by Advisement

### Computer Engineering Core Elective

3	EGR 183
3	CIS 143
3	CIS 144
4	CIS 243 OR EGR 223
3-4	Core Elective by Advisement

**\*Substitutions can be made to Core Concentrations depending upon transfer requirements of our year schools.**

## RECOMMENDED SEQUENCES

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### FIRST YEAR

#### First Semester

1-4	HRD 100A, 100, or 110
3	ENG 101 or 100A & B
4	MAT 131
3	SUNY Gen Ed Social Science or Humanities
4	CHM 111
1	PED

#### Second Semester

3	ENG 102 - 110 (110 Recommended)
4	MAT 132
4	EGR 105
3-4	Core Elective by Concentration Area
3-4	Core Elective by Concentration Area

### SECOND YEAR

#### Third Semester

3-4	Core Elective by Concentration Area
4	MAT 231
4	EGR 222
3	SUNY Gen Ed Social Science or Humanities
4	EGR 106

#### Fourth Semester

4	MAT 232
3-4	MAT 231 Core Elective by Concentration Area
3-4	EGR 222 Core Elective by Concentration Area
4	EGR 204
1	PED

### Definition of Terms:

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**Social Science** - ANT, ECO, HIS, HED103, PSC, PSY, and SOC.

**Math & Science** - ANT103, AST, BIO, CHM, GEO, MAT, PHY, EGR 105, 106, & 204, and SCI.

**Humanities** - ENG 200 level, ART, ASL, FRN, GRM, INT, MUS, PHI, RUS, SPA, SPH, and THR.

**Liberal Arts** - Any of the above courses and COM 183.

**Electives** - Any credit course offered by the College. **Physical Education** - Two credits are required. PED 105, 172, 210, 211, and 212 are NOT activity courses.

**Competency Areas: (See the SUNY Gen Ed Requirements per current catalog)**

# 1 Mathematics	# 6 Other World Civs
# 2 Natural Science	# 7 Humanities
# 3 Social Science	# 8 The Arts
# 4 American History	# 9 Foreign Language
# 5 Western Civ	# 10 Basic Communication