

3	CIS 144 (Prereq Required)								
4	EGR 223 (Prereq Required)								
3-4	Core Elective By Advisement								
<u>Mechanical /Civil Engineering Core Elective:</u>									
3	EGR 207 (Prereq Required)								
3	EGR 209 (Prereq Required)								
3-4	Core Elective by Advisement								
3-4	Core Elective by Advisement								
3-4	Core Elective by Advisement								
<u>Computer Engineering Core Elective:</u>									
3	EGR 183 (Prereq Required)								
3	CIS 143 (Prereq Required)								
3	CIS 144 (Prereq Required)								
3-4	Core Elective by Advisement								
4	Choose 1 course from the following: CIS 243 (Prereq Required) or EGR 223 (Prereq Required)								
66	Minimum credits required for graduation								66+

Notes on Engineering Science AS (EGRS)

- ❖ **Financial Aid Recipients:** You **must** choose courses that are within your degree program. Visit the Advisement and Career Services Center in Warren Hall if you have any questions about course selection and degree program requirements. Please see Office of Financial Aid for any aid-related questions.

Definition of Terms

See <http://catalog.sunyacc.edu/academics/degreerequirements>

Notes on Engineering Science AS (EGRS) - Continued

Concentration Areas

Chemical Engineering Core Elective

- 4 CHM 112
- 4 CHM 203
- 4 CHM 204
- 6-8 Core Elective by Advisement
Choose from: EGR 109 and up, CHM 2XX,
CIS 143, CIS 144, MAT 220

Mechanical/Civil Engineering Core Elective

- 3 EGR 207
- 3 EGR 209
- 9-12 Core Elective by Advisement
Choose from: EGR 109 and up, CHM 112, CIS 143,
CIS 144, MAT 220

Electrical Engineering Core Elective

- 3 EGR 183
- 4 CIS 143
- 4 CIS 144
- 3 EGR 223
- 3-4 Core Elective by Advisement
Choose from: EGR 109 and up, CHM 112,
MAT 220

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
Choose from: EGR 109 and up, CHM 112, CIS 243,
EGR 223, MAT 220

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

RECOMMENDED SEQUENCES

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
- 4 CHM 111
- 1 Health and Wellness

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 The Arts, Humanities or
Foreign Language
- 4 EGR 106

Fourth Semester

- 4 MAT 232
- 3-4 Core Elective by Concentration Area
- 3-4 Core Elective by Concentration Area
- 4 EGR 204
- 1 Health and Wellness

SUNY General Education Knowledge Areas: (See <http://catalog.sunyacc.edu/academics/generaleducation>)

- Mathematics
- Natural Sciences
- Social Sciences
- American History
- Western Civilization
- Other World Civilization
- Humanities
- The Arts
- Foreign Languages
- Basic Communication