

**2022-2023**

**Degree Map: Sustainability - Energy (BS)**

**Sustainability Program**

School of Natural Sciences & Mathematics | Stockton University

USC 1 - 240 | 609-652-4546

The following is a **suggested** plan of study for completion of this degree program.

The **goal of a Degree Map** is to ensure that students graduate with no more than 128 credits and in four years.

- All students should speak with their preceptor about their academic programs.
- Students are encouraged to take overload and Summer courses to facilitate their progress towards graduation as necessary.
- Transfer students may not need to take all courses in the plan; they should consult with an academic advisor.

<b>FIRST YEAR - FALL</b>	<b>Credit</b>	<b>FIRST YEAR - SPRING</b>	<b>Credit</b>
<b>Course load</b>	<b>19</b>	<b>Course load</b>	<b>19</b>
FRST or G-course <b>Attribute:</b> First Year Seminar Recommended GNM 1056 Environmental Citizenship ( <b>Attribute:</b> V)	<b>4</b>	FRST or G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>
FRST or G-course <b>Attribute:</b> W1	<b>4</b>	SUST 2100 Environmental Sustainability	<b>4</b>
MATH 2215 Calculus I <b>Attribute:</b> Q1	<b>5</b>	MATH 2216 Calculus II <b>Attribute:</b> Q1	<b>5</b>
PHYS 2220/25 Physics I w/lab [ <b>Fall &amp; Spring</b> ] <b>Attribute:</b> Q1	<b>6</b>	PHYS 2230/35 Physics II w/lab [ <b>Fall &amp; Spring</b> ] <b>Attribute:</b> Q1	<b>6</b>

<b>SECOND YEAR - FALL</b>	<b>Credit</b>	<b>SECOND YEAR - SPRING</b>	<b>Credit</b>
<b>Course load</b>	<b>17</b>	<b>Course load</b>	<b>17</b>
G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>	G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>
ASD or G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>	G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>
ECON 2200 Ecological Economics	<b>4</b>	SUST 3300 Environmental Policy and Law	<b>4</b>
CHEM 2110/15 CHEM I: General Principles w/lab <b>Attribute:</b> Q2	<b>5</b>	BIOL 1200/05 Cells and Molecules w/lab	<b>5</b>

<b>THIRD YEAR - FALL</b>	<b>Credit</b>	<b>THIRD YEAR - SPRING</b>	<b>Credit</b>
<b>Course load</b>	<b>17</b>	<b>Course load</b>	<b>16</b>
G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>	G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>
ASD or G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	<b>4</b>	Program Ecology Requirement <sup>1</sup>	<b>4</b>
SUST 3301/05 Sustainable Technology w/lab	<b>5</b>	SUST 3311 Energy Practicum	<b>4</b>
Program Elective	<b>4</b>	SUST 3312 Energy Management	<b>4</b>

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FOURTH YEAR - FALL	Credit	FOURTH YEAR - SPRING	Credit
Course load	16	Course load	12-16
ASD or G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	4	G-course <b>Optional Attributes:</b> W, A, H, I, R, and/or V	4
SUST 4900 Senior Internship	4	SUST 4600 Senior Synthesis	4
SUST 4720 Sustainable Design	4	Energy Elective <sup>2</sup>	4
Energy Elective <sup>2</sup>	4	Optional Program Elective or Project	4

**GRADUATION REQUIREMENT TRACKER**

G-course	✓
GAH	
GAH	
GEN	
GIS	
GNM	
GNM	
GSS	
GSS	

Quantitative Reasoning	✓
Q1 (First year)	
Q1/Q2	
Q2	

At-some-distance	✓
ASD	
ASD	
ASD	
ASD	

Attributes	✓
A	
H	
I	
R1	
R2	
V	

Writing Requirement	✓
W1 (First year)	
W1/W2	
W1/W2	
W1/W2 (3000 level or higher)	

**Program specific notes**

- An overall GPA of 2.0 is required for all NAMS courses. A minimum grade of C is required for each shaded course above.
- Select from NAMS course to achieve 80 program/cognate credits.
- <sup>1</sup> SUST/MARS 3201 Marine Conservation Ecology [**V, W2**]. ENVL 2200/05 Ecological Principles w/lab
- <sup>2</sup> ENVL 3302 Geographic Information Systems, ENVL 3443 Energy Planning, ENVL 2400 Statistical Analysis of Ecological Systems, ENVL 2400 Introduction to Statistics & Computers [**Q1**], PHYS 3120 Electrical Circuits, PHYS 3110 Electronics, SUST 4710 Green Vehicle Technology, SUST 28/3800 Special Project.

**ADDITIONAL INFORMATION**

- **FIRST (FRST).** All newly admitted freshmen or transfer students with 15 or fewer credits are required to fulfill the University’s first-year competency requirement. The requirement may be met by demonstrating competency on the placement tests, or by passing, with a grade of C or better, all FRST courses: FRST 1101 – College Writing, 1002 – Critical Thinking and Reading, and 1103 – Quantitative Reasoning into which students have been placed. Students enrolled in FRST 1100 – Developmental Mathematics must receive a grade of C or better, and then enroll in and receive a grade of C or better in FRST 1103 to demonstrate competency. Full-time students must register for all required FRST courses in their first semester. Depending on time to completion of competency requirements, some students may need additional time for degree completion. *Note-* certain FRST courses also meet the requirements of the General Studies course distribution categories.
- **General Studies.** B.S. students must complete 48 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 16 ASD (At Some Distance). See 2022-2023 Bulletin for more information. B.A. students must complete 64 credits of General Studies with the distribution requirement of: 8 GAH, 4 GEN, 4 GIS, 8 GNM, 8 GSS and 32 ASD.
- **W1/W2- Writing requirement.** Students are required to complete (C or better) four Writing intensive (WI/W2) courses. One W1 is required in the first year and an additional three W1 or W2 with one in the upper-level division (3000-level or higher). W1/W2 courses can be found in General Studies or Program/cognate courses depending on

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major.

- **Q1/Q2- Quantitative Reasoning.** Students are required to complete (D- or better) three Q1/Q2 courses. One Q1 in the first year and at least one Q2. Q1/Q2 courses may be found in General Studies or Program/cognate course depending on major.
- **R1/R2- Race and Racism.** Students are required to pass one R1 and another R1/R2 course. R1 (C or better), R2 (D or better). R1/R2 courses may be found in General Studies or Program/cognate courses depending on major.
- **Minor program.** Students may select a Minor program of study, in consultation with their preceptor. Minor courses would replace some of the ASD or Program/cognate courses in the Degree Map.
- **Attributes (AHVI/Q, W and R).** A course may fulfill multiple attributes and/or other requirements. Therefore, many attributes can be fulfilled without taking additional courses. Attributes can be taken in any order except for the first-year requirements. Many course choices are available to fulfill an attribute.
- **Transfer students.** Transfer students must take 25% of their remaining credits in General Studies with a GIS course required (The 25% Rule). Depending on transferred courses, individual attribute requirements may be met (AHVI/Q, W and R) but will be evaluated on transfer. For students transferring 64 credits or more, the General Studies course requirement is lowered to 16 credits (i.e. only four G courses are required, but all students must take 4 credits in the GIS category, the other three G courses can be any combination of the G course categories). Up to two W1 and two Q1 courses can be transferred, all W2 and Q2 courses need to be taken at Stockton. Up to one R1 or R2 can be transferred. Consult with an academic advisor for careful guidance.
- **Second degree.** Students with an earned degree will be exempt from all general studies course requirements (i.e. G courses, ASD) and AHVI/Q, W and R attributes.