

# DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING

## MS SDC Program Sheet (2024-25)

### Energy Concentration

Name: \_\_\_\_\_ Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

Student ID#: \_\_\_\_\_ Email: \_\_\_\_\_ Proposed date for degree conferral: \_\_\_\_\_ Coterm? \_\_\_\_\_

#### GENERAL INSTRUCTIONS

Before the end of your first quarter, complete this program sheet by filling in the number, name and units of each course you intend to take for your degree. Meet with your advisor to secure the necessary signatures on the program sheet and any foundational requirement course waivers. **Bring two copies of the completed sheet for any advising visit. Your advisor will keep one on file and you will keep the other.**

#### FOUNDATIONAL REQUIREMENTS

You must satisfy the foundational requirements listed below. Your advisor or the designated waiver faculty member must approve all courses taken elsewhere. Please ask your advisor who the designated waiver faculty member is for each of these courses. All courses taken elsewhere must have a minimum Grade Point Indicator of 2.67 (B-) or above. Note: If you are amending an old program sheet, enter **"on file"** in the approval column for courses that have already been approved.

Required:	Equivalent elsewhere (course numbers/titles/institution) or quarter taken at Stanford	Waiver Approval	Grade
Engineering Economics and Sustainability (CEE 146S)			
Accounting, Finance & Valuation for Engineers & Constructors (CEE 244)			
Programming Methodology (CS 106A)			

Required:	Quarter taken at Stanford	Grade
Life Cycle Assessment for Complex Systems (CEE 226)		
Managing Fabrication and Construction (CEE 241)		
Global Infrastructure Projects Seminar (CEE 241C)		
Watson Seminar in Construction Engineering and Management (CEE 258)		
AT LEAST TWO OF THE FOLLOWING: Decarbonized Building Design (CEE 226E) Building Sys Design & Analysis (CEE 256) Engineering Future Electricity Sys (CEE 272R)		
Technical Communication (ENGR 202W) or Public Speaking (ENGR 203)		

#### DESIGN AND DEVELOPMENT REQUIREMENT (5 UNITS)

Course Number	Title	Grade	Units

TOTAL UNITS USED TO SATISFY REQUIREMENT

***Courses that may be used to satisfy the Design and Development requirement are listed in the current SDC curriculum guide.***

**ENERGY REQUIREMENT (12 UNITS)**

Course Number	Title	Grade	Units

TOTAL UNITS USED TO SATISFY REQUIREMENT

Courses that may be used to satisfy the Energy requirement are listed in the current SDC curriculum guide.

**CONSTRUCTION REQUIREMENT (5 UNITS)**

Course Number	Title	Grade	Units

TOTAL UNITS USED TO SATISFY REQUIREMENT

Courses that may be used to satisfy the Construction requirement are listed in the current SDC curriculum guide.

**INDUSTRY REQUIREMENT (4 UNITS)**

Course Number	Title	Grade	Units

TOTAL UNITS USED TO SATISFY REQUIREMENT

Courses that may be used to satisfy the Industry requirement are listed in the current SDC curriculum guide.

**SKILLS REQUIREMENT (4 UNITS)**

Course Number	Title	Grade	Units

TOTAL UNITS USED TO SATISFY REQUIREMENT

Courses that may be used to satisfy the Skills requirement are listed in the current SDC curriculum guide.

**REQUIREMENT DEVIATION**

Any deviations from the Foundational Requirements, Design and Development Requirements, Energy Requirements, Construction Requirements, Industry Requirements, or Skills Requirements must be noted and approved by your advisor in the Advisor Notes box provided below (maximum of **two** advisor-approved deviation allowed). Additional requests for waivers must be submitted to the SDC faculty curriculum council for approval. Waivers for Foundational Requirements that may be taken at Stanford or elsewhere (such as CS 106A) do not count toward the one advisor-approved deviation limit.

<b>Advisor Notes</b>
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**ELECTIVES (UP TO 15 UNITS)**

The courses you submit for your electives must meet minimum requirements of technical depth and academic rigor. Approval of your advisor is needed for all elective courses.

Course Number	Title	Approval	Grade	Units
<b>TOTAL ELECTIVE UNITS APPLIED TO MS SDC (Up to 15 Units)</b>				

**TOTAL UNITS APPLIED TO MS SDC (45 required)**

**ADDITIONAL REQUIREMENTS**

- Required classes and approved electives must total at least 45 units.
- Program proposal must be approved by your advisor.
- Program must comply with the CEE Graduate Degrees Handbook
- All courses at or above 100 level, with at least 30 units at or above 200 level.
- At most 5 units of seminars may be counted toward your 45 units.
- CEE courses must be taken for a letter grade when available. Maximum of 6 CR/NC units otherwise.
- Average Letter Grade Indicator (GPA) of at least 3.0.
- Foundational requirement courses taken at other institutions must have a letter grade indicator of 2.67 (B-) or above.
- Credit for classes listed in multiple areas may be split between those areas (no double counting).

Advisor's signature: \_\_\_\_\_ Date: \_\_\_\_\_

FOR DEPARTMENT USE: UNITS \_\_\_\_\_ GPA \_\_\_\_\_