



# Natural Science: Associate in Science Concentration in Engineering

2022-23  
 (60 credits)

**SAMPLE**

The Associate in Science is a transfer degree designed for students pursuing STEM-related educational and career goals.  
 This is an example of an educational plan that can serve as a guideline to create your own academic pathway.

Year 1			Year 2		
Fall Semester			Fall Semester:		
ENG 100	Composition I	3	DA/DH/DL	Diversification: Arts or Humanities or Literature	3
MATH 241 (FQ)	Calculus I	4	FG (A/B/C)	Foundation: Global & Multicultural Perspectives	3
CHEM 161	General Chemistry I	3	PHYS 272	General Physics II	3
CHEM 161L	General Chemistry Lab I	1	PHYS 272L	General Physics II Laboratory	1
Elective		3	MATH 243	Calculus III	3
			Elective		3
		Credits 14			Credits 16
Spring Semester:			Spring Semester:		
MATH 242	Calculus II	4	DS	Diversification: Social Science	3
CHEM 162	General Chemistry II	3	FG (A/B/C)	Foundation: Global & Multicultural Perspectives	3
PHYS 170	General Physics I Prereq: Credit for <i>Math 241</i> or higher	4	MATH 244	Calculus IV	3
PHYS 170L	General Physics I Laboratory Coreq: Credit for or registration in <i>PHYS 170</i>	1	CE 270 <b>OR</b>	Applied Mechanics I	3/4
			EE 160 <b>OR</b>	<b>OR</b> Programming for Engineers Rec Prep: <i>ICS 101</i>	
			EE 211 <b>OR</b>	<b>OR</b> Basic Circuit Analysis I	
			PHYS 274 <b>OR</b>	<b>OR</b> Intro to Modern Physics	
			SCI 295V	<b>OR</b> Instructor Consent	
Elective		3	Elective		3/2
		Credits 15			Credits 15
Summer Semester:			Summer Semester:		
		Credits			Credits
		Total Credits for the Year 29			Total Credits for 2 Years 60

NSCI-ENGR

Notes:

- Cumulative GPA of 2.0 or higher for all course work taken in fulfillment of A.S. degree.
- Generally, any one course can fulfill only one area, e.g., SP 151, SP 231, SP 251 can fulfill either OC or DA, but not both. Certain natural science courses can fulfill both DB and DY requirements.
- No more than 12 credits in any combination of independent study or cooperative education may apply to the degree requirements.
- When there is a break in enrollment (not attending fall or spring semester), you must use the graduation requirements in effect at the time you return to WCC.
- If your bachelor's degree has been determined, you may be fulfilling specific course requirements for the 4-year degree here at WCC and applying those courses to the AA degree as elective credits.
- Electives: Any transfer-level course in any field to achieve 60 credits.
- The last day for graduation certification is the last day of instruction.
- **Check course core designation at the Class Availability website.** Course core designation may differ at the various UH campuses.

<https://www.hawaii.edu/myuhinfo/class-availability/>