

Natural Science: Associate in Science Concentration in Engineering 2024-25

SAMPI F

(60 credits)

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.

Fall Semester	Year 1			Year 2			
MATH 241 (FQ) Calculus General Chemistry General Chemistry A PHYS 2772 General Physics Laboratory A PHYS 2772 General Physics Credits A PHYS 278 A P	Fall Semeste	•		Fall Semester:			
CHEM 161 General Chemistry I General Chemistry I 3 PHYS 272 General Physics II General Physics II Laboratory 1 PHYS 272 General Physics II Laboratory 1 Septing Semistry 1 Selective 1 Selective 1 Selective 1 Selective 2 Septing Semistry 2 Septing Semistry 2 Septing Semistry 2 Septing Semistry 3 Selective 2 Septing Semistry 3 Selective 3 S	ENG 100	Composition I	3	DA/DH/DL	Diversification: Arts or Humanities or Literature		3
CHEM 161L Elective General Chemistry Lab I 1 BHYS 272L Elective General Physics II Laboratory 1 3 BHT 243 Calculus III 3 BHT 243 Calculus II 3 BHT 243 Calculus II 3 BHT 243 Calculus II 3 BHT 244 Calculus	MATH 241 (FQ)	Calculus I	4	FG (A/B/C)	Foundation: Global & Multicultural Perspectives		3
Spring Semester: Spring Seme			3				3
Spring Semester: Spring Seme	CHEM 161L	General Chemistry Lab I	1				1
Spring Sem=ster: Spring Semester: Spring Seme	Elective		3		Calculus III		3
Spring Semester: Spring Seme				Elective			3
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 Math 241or higher 4 MATH 244 Calculus IV 3 PHYS 170L General Physics I Laboratory Coreq: Credit for or registration in PHYS 170 1 CE 270 OR Applied Mechanics I Applied Mechanics I 3/4 EE 110 OR EE 211 OR PHYS 274 OR SCI 295EN OR Basic Circuit Analysis I OR Instructor Consent Remove SCI 295V 3/2 Elective 3 Elective 3/2 Summer Semester: Summer Semester: Summer Semester: Credits 15		Credits	14		Cred	lits	16
CHEM 162 General Chemistry II 3 FG (A/B/C) Foundation: Global & Multicultural Perspectives 3 PHYS 170 General Physics I Prereq: Credit for Math 241 or higher 4 MATH 244 Calculus IV 3 PHYS 170L General Physics I Laboratory Coreq: Credit for or registration in PHYS 170 1 CE 270 OR Applied Mechanics I Applied Mechanics I 3/4 EE 160 OR EE 211 OR PHYS 274 OR SCI 295EN OR Intro to Modern Physics OR Instructor Consent Remove SCI 295V 3/2 Elective 3 Elective 3/2 Summer Semester: Summer Semester: Summer Semester: Summer Semester: Credits	Spring Semester:			Spring Semester:			
PHYS 170 General Physics I Prereq: Credit for Math 241or higher 4 MATH 244 Calculus IV 3 3/4 PHYS 170L	MATH 242	Calculus II	4	DS	Diversification: Social Science		3
PHYS 170L General Physics I Laboratory Coreq: Credit for or registration in PHYS 170 1			3		Foundation: Global & Multicultural Perspectives		3
EE 160 OR OR Programming for Engineers Rec Prep: ICS 101 EE 211 OR OR Basic Circuit Analysis I PHYS 274 OR OR Instructor Consent Remove SCI 295V Elective 3/2 Credits 15 Summer Semester: Summer Semester: Credits			4		Calculus IV		3
Elective 3 Elective OR Instructor Consent Remove SCI 295V Elective 3/2 Credits 15 Summer Semester: Summer Semester: Summer Semester: Credits Credits	PHYS 170L	General Physics I Laboratory Coreq: Credit for or registration in PHYS 170	1				3/4
Elective 3 Elective 3/2 Summer Semester: Summer S							
Elective 33 Elective 3/2 Credits 15 Summer Semester: Summer Semester: Summer Semester: Summer Semester: Summer Semester: Credits							
Elective 3 Elective 3/2 Credits 15 Tedits 15 Summer Semester: Summer Semester: Summer Semester: Credits Credits Credits							
Credits15Credits15Summer Semester:Summer Semester:Summer Semester:Credits					<u>OR</u> Instructor Consent Remove SCI 295V		
Summer Semester: Summer Semester: Credits Credits	Elective		_	Elective			
Credits Credits		Credits	15		Cred	lits	15
	Summer Semester:			Summer Semester:			
		Credite			Cred	lite	
		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/