

# Associate in Science in Natural Science

*This is not an official document. Check catalog for course description and prerequisite. Check course core designation at the Class Availability website. Course core designation may differ at the various UH campuses. See your academic counselor if you need help.*

**Type:** Associate in Science

## Graduation Requirements

The issuance of an AS degree requires that the student earn a grade point average (GPA) of 2.0 or higher for all courses applied towards the degree.

---

## Foundation Requirements: Written Communication (FW)

\_\_ ENG 100

---

## Foundation Requirements: Global and Multicultural Perspectives (FG)

Required: Six (6) credits from two different groups

---

## Foundation Requirements: Quantitative Reasoning (FQ)

The requirement will be fulfilled by the MATH requirement in the concentration.

---

## Diversification Requirements

**Arts, Humanities and Literature (DA, DH, DL)**

Required: Three (3) credits

**Social Sciences (DS)**

Required: Three (3) credits

**Biological or Physical Sciences (DB, DP)**

Required for Physical Science, and Information and Communication Technology Concentrations: Three (3) credits

---

## Elective Requirements: Natural Science Electives

Required for Biological Sciences and Physical Sciences Concentrations. Natural Science Electives are required in addition to the required Concentration courses (not required for Engineering, and Information and Communication Technology Concentrations).

Required: Six (6) credits of transfer-level Natural Sciences courses (DB, DP, DY) and/or any of the courses listed below:

\_\_ EE 160  
\_\_ ICS 111  
\_\_ ICS 141  
\_\_ ICS 211  
\_\_ ICS 241  
\_\_ MATH 100  
\_\_ MATH 103  
\_\_ SCI 295AS  
\_\_ SCI 295EN  
\_\_ SCI 295EP  
\_\_ SCI 295PB  
\_\_ SCI 295V

---

## Elective Requirements: General Electives

Transfer-level courses (100 and 200-level courses) in any field to achieve a total of 60 credits.

---

## Biological Sciences Concentration (24 credits)

For students pursuing the Biological Sciences Concentration, CHEM 161 fulfills the DP (Physical Science Diversification) for the Biological or Physical Sciences Diversification Requirements.

\_\_ BIOL 171  
\_\_ BIOL 171L  
\_\_ BIOL 172  
\_\_ BIOL 172L  
\_\_ CHEM 161  
\_\_ CHEM 161L  
\_\_ CHEM 162  
\_\_ CHEM 162L  
\_\_ MATH 241

---

## Engineering Concentration (33 credits)

The Engineering Concentration is designed for students entering into engineering fields.

Students pursuing the Engineering Concentration do not have a Biological and Physical Sciences Diversification Requirement.

\_\_ CHEM 161  
\_\_ CHEM 161L  
\_\_ CHEM 162  
\_\_ MATH 241  
\_\_ MATH 242  
\_\_ MATH 243  
\_\_ MATH 244  
\_\_ PHYS 170  
\_\_ PHYS 170L  
\_\_ PHYS 272  
\_\_ PHYS 272L

---

## Physical Sciences Concentration (24 credits)

Students pursuing the Physical Sciences concentration must take at least one Biological Science course (DB) as one of the Biological or Physical Sciences Diversification Requirements.

NOTE: On the Physics options, choose the lab courses that correspond to your chosen lecture courses.

\_\_ CHEM 161  
\_\_ CHEM 161L  
\_\_ CHEM 162  
\_\_ CHEM 162L  
\_\_ MATH 241  
\_\_ MATH 242

---

## Information and Communication Technology Concentration (31 credits)

An Associate in Science in Natural Science with a Concentration in Information and Communication Technology is a transfer degree designed for students interested in pursuing an academic study and career in fields related to computer science, including database design, website creation, and mobile applications.

\_\_ MATH 241  
\_\_ MATH 242  
\_\_ ICS 111  
\_\_ ICS 141  
\_\_ ICS 211  
\_\_ ICS 241

---