ASSOCIATE IN SCIENCE IN NATURAL SCIENCE – Engineering (AS) 2021-22

**FOUNDATION REQUIREMENTS**

- **Written Communication (FW)** Required 3 credits.
  - ENG 100

- **Quantitative Reasoning (FQ)**
  - The Foundation FQ requirement will be met by MATH 241 (requirement concentration course)

- **Global & Multicultural Perspectives (FG)**
  - FGA: ANTH 151; ART 175; HIST 151
  - FGB: ANTH 152; ART 176; GEOG 102; HIST 152
  - FG: REL 150

- **DIVERSIFICATION REQUIREMENTS**

  - **Arts, Humanities, & Literature** Required 3 credits
    - Arts (DA)

  - Humanities (DH)
    - ART 269V(1-6)*; CM 255; HWST 107, 110, 115, 140, 142, 215, 217, 253, 255, 263, 270, 273, 275, 275L(1)*, 285; HIST 230, 241, 242, 280, 270, 281, 282, 284, 285; LING 102; MUS 106, 107, 166, 177, 277; PHIL 100, 101, 102, 211, 213; REL 151, 201, 202, 205, 206, 207, 212, 217; THEA 177

  - **Literature (DL)**
    - ENG 271, 272; HWST 238

- **SOCIAL SCIENCES (DS)**
  - ANTH 175, 175L(1), 210; BOT 105; ECON 130, 131, 220; GEOG 151, 252; HDFS 230; JOUR 150; PACS 108; POLS 110, 120, 130, 180, 243; PSY 100, 170, 200, 202, 212, 224, 240, 241, 250, 251, 253, 257, 260, 270; SOC 100, 214, 218, 231, 251; SOCS 225; SW 200; SP 261; WS 151, 200, 202

**Concentration Requirements Engineering Emphasis 33-34 credits**

  - CHEM 161 General Chemistry I (3)
  - CHEM 161L General Chemistry Laboratory I (1)
  - CHEM 162 General Chemistry II (3)
  - MATH 241 Calculus I (4)
  - MATH 242 Calculus II (4)
  - MATH 243 Calculus III (3)
  - MATH 244 Calculus IV (3)
  - PHYS 170 General Physics I (4)
  - PHYS 170L General Physics I Laboratory (1)
  - PHYS 272 General Physics II (3)
  - PHYS 272L General Physics II Laboratory (1)
  - CE 270 Applied Mechanics I (3)
  - or EE 160 Programming for Engineers (4)
  - or EE 211 Basic Circuit Analysis I (4)
  - or PHYS 274 Introduction to Modern Physics (3)
  - or SCI 295V Introduction to STEM Research (1-3)

**ELECTIVES** 12 credits numbered 100 or above to achieve a total of 60 credits

- **Graduation Requirements**
  - Complete 60 credits in courses numbered 100 or above and have a cumulative GPA of 2.0 or higher for all course work taken in fulfillment of the degree.
  - Any one course can fulfill only one area. (eg: SP 151, SP 251, THEA 222)
  - 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.
  - At least 12 of the credits for the A.A. degree must be earned at Windward Community College.
  - No more than 12 credits in any combination of independent study or cooperative education may apply to the degree requirements.
  - Last day for graduation certification is the last day of instruction.

**Total Credits** 60

3.29.21

NSCI-ENGR