

## Natural Science: Associate in Science Concentration in Biological Science

**2018-19**  
(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 which can serve as a guideline to create your own academic pathway.**

Year 1			Year 2		
<b>Fall Semester</b>			<b>Fall Semester:</b>		
ENG 100	Composition I <i>Prereq: "C" or better in ENG 22 or placement into ENG 100, or "C" or better in ENG 23 and corequisite enrollment in ENG 100X or approval of designated Language Arts representative.</i>	3	DA/DH/DL	Diversification: Arts or Humanities or Literature	3
BIOL 171	General Biology I <i>Rec Prep: High School or College Chemistry</i>	3	FG (A/B/C)	Foundation: Global & Multicultural Perspectives	3
BIOL 171L	General Biology Lab I <i>Prereq: Credit for or registration in BIOL 171. General Biology Lab I Rec Prep: High School chemistry or college chemistry.</i>	1	PHYS 151*	College Physics I <i>Prereq: Cr for or registration in Math 140</i> College Physics I <i>Corequisite: PHYS 151L</i>	3
CHEM 161	General Chemistry I <i>Prereq: Math 103 "C" or better or placement in Math 135. Corequisite: Reg. in CHEM 161L. Recommended Prep: High School Chem, CHEM 100, or CHEM 151</i>	3	PHYS_151L*	College Physics Lab I <i>Prereq: Credit for or registration in Phys 151</i>	1
CHEM 161L	General Chemistry Lab I <i>Prereq: Credit or registration in CHEM 161</i>	1	Elective		3
MATH 241 (FQ)	Calculus I <i>Prereq: Math 140 "C" or better</i>	4	Elective		3
Credits		15	Credits		16
<b>Spring Semester:</b>			<b>Spring Semester:</b>		
FG (A/B/C)	Foundation: Global & Multicultural Perspectives	3	DS	Diversification: Social Science	3
BIOL 172	General Biology II <i>Prereq: Credit for BIOL 171</i>	3	Elective		3
BIOL 172L	General Biology Lab II <i>Corequisite: BIOL 172</i>	1	Elective		3
CHEM 162	General Chemistry II <i>Prereq: Chem 161 "C" or better, credit for or registration in Math 135. Corequisite: CHEM 162L</i>	3	Natural Sci Elect		3
CHEM 162L	General Chemistry Lab II <i>Prereq: credit for or registration in Chem 162</i>	1	Natural Sci Elect	Diversification: Biological Sciences or Physical Sciences	3
Elective		3			
Credits		14	Credits		15
<b>Summer Semester:</b>			<b>Summer Semester:</b>		
Credits			Credits		
Total Credits for the Year		29	Total Credits for 2 Years		60

NSCI-BSC

**Notes:**

- \*BIOL 265/L (4) OR BIOL 275/L (4) OR CHEM 272/L (5) may be taken in lieu of PHYS 151/L .
- 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 t 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.
- 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.**

<p><b>FOUNDATIONS</b>  <u>Written Communication (FW): ENG 100</u>          Required: A total of 3 credits</p> <p><u>Quantitative Reasoning (FQ):</u>          Met by the Math requirement in the concentration</p> <p><u>Global &amp; Multicultural Perspectives:</u>          Required: A total of 6 credits from two different groups          FGA: <b>ANTH 151, ART 175, HIST 151</b>          FGB: <b>ANTH152, ART 176, GEOG 102, HIST 152</b>          FGC: <b>REL 150</b></p>	<p><b>BIOLOGICAL CONCENTRATION</b></p> <p><b>BIOL 171/L (3/1) and BIOL 172/L (3/1)</b>  <b>BIOL 265/L (3/1) or BIOL 275/L (3/1) or CHEM 272/L (3/2) or PHYS 151/L (3/1)</b>  <b>CHEM 161/L (3/1) and CHEM 162/L (3/1)</b>  <b>MATH 241(4)</b></p>	
<p><b>DIVERSIFICATION: HUMANITIES</b>          Required: A total of 3 credits</p> <p><u>Arts (DA)</u>  <b>ART 101, 104D, 105B, 105C, 107, 108, 111, 113, 114, 115, 116, 123, 189, 202, 207, 208, 213, 214, 220, 223, 224, 243, 244, 251, 253, 260, CM 120, 204C, 220, 240, 280, 286, DNCE 121, 122, 131, 132, 221, 231, ENG 204A, 204B, 204C, 280, HUM 100, 269V(1-6), HWST 130, 131, 135, 136, 222, ICS 123, 203, JOUR 120, 200, 220, 270, 286, MUS 108, 114 (2)*, 121B(2)*, 121C(2)*, 121D(2)*, 121F(2)*, 121Z(2)*, 122B(2)*, 122C(2)*, 122D(2)*, 122F(2)*, 122Z(2)*, 130F(2)*, 211(2), 221C(2)*, 222C(2)*, 253, 280, SP 151, 231, 251, 253, THEA 101, 131, 132, 133, 211, 220, 221, 222, 231, 232, 233, 240, 260, 280</b>          *Any combination that totals 3 credits will be considered the equivalent of one semester course.</p> <p><u>Humanities (DH)</u>  <b>ART 269V(1-6), CM 255, HIST 230, 231, 232, 241, 242, 260, 281, 282, 284, 285, HWST 107, 115, 140, 255, 270, 273, 275, 275L(1), 285 (4), LING 102, MUS 106, 107, 166, 177, PHIL 100, 101, 102, 211, 213, REL 151, 201, 202, 205, 206, 207, THEA 177</b></p> <p><u>Literature (DL)</u>  <b>ENG 270, 271, 272</b></p>	<p><b>DIVERSIFICATION: SOCIAL SCIENCES</b>          Required: A total of 3 credits</p> <p><u>Social Sciences (DS)</u>  <b>ANTH 175/175L, 210, BOT 105, ECON 130, 131, 220, FAMR 230, GEOG 151, 252, ICS 100, JOUR 150, PACS 108, POLS 110, 120, 130, 180, 243, PSY 100, 170, 202, 212, 224, 240, 250, 251, 257, 260, 270, SOC 100, 218, 231, 250, 251, SP 260, SOCS 225, SW 200, WS 151, 200, 202</b></p> <p><b>NATURAL SCIENCES ELECTIVES</b>          Required: A total of 6 credits</p> <p><u>Biological Sciences (DB):</u> <b>AG 120, ANSC 142, 151, 152, 253, 261, 262, 271, AQUA 106, 201, BIOL 100, 101, 124, 171, 172, 200, 265, 275, BOT 101, 130, 160, 205, 210, FSHN 185, IS 201 (2), MICR 130, PHRM 203, ZOOL 101, 141, 142, 154, 200, 254</b></p> <p><u>Electrical Engineering:</u> <b>EE 160</b></p> <p><u>Science:</u> <b>SCI 295V</b></p>	<p><b>NATURAL SCIENCES ELECTIVES (Continued)</b></p> <p><u>Information &amp; Computer Sciences:</u> <b>ICS 111, 141, 211, 241</b></p> <p><u>Math:</u> <b>MATH 100, 103, 115, and above</b></p> <p><u>Natural Sciences Lab:</u> <b>ANSC 142L, 151L, 152L, 261L, 262L, 271L, AQUA 106L, 201L, ASTR 110L, 250L, BIOL 100L, 101, 124L, 171L, 172L, 200L, 265L, 275L, BOT 101, 101L 130, 130L, 205, 210, CHEM 100L, 151L, 152L, 161L, 162L, 272L, 273L, GEOG 101L, GG 101L, 210, 211, 212, 213, 214, IS 201, MICR 140L (2), OCN 201L, PHYS 122L, 151L, 152L, 170L, 272L, SCI 260L, ZOOL 101, 141L, 142L, 200L</b></p> <p><u>Physical Sciences (DP):</u> <b>AERO 150, ASTR 110, 130, 180, 181, 250, 281, 294V, ATMO 101, BIOG 141, CHEM 100, 151, 152, 161, 162, 272, 273, GEOG 101, GG 101, 103, 166, MET 101, OCN 201, PHYS 122, 151, 152, 170, 272, SCI 160A/160B, 260A/260B</b></p>

Electives: Any transfer-level course in any field to achieve a total of 60 credits.  
 5.22.18