**ASSOCIATE IN SCIENCE (AS) 2019-20**

**Natural Science – Information and Communication Technology**

**Graduation Checklist for Windward Community College**

**60 credits**

To earn an Associate in Science (A.S.) Degree, Windward Community College students must complete 60 credits in courses numbered 100 or above with a grade-point average of at least 2.0. Credits must be earned in the required areas. The courses listed are 3 credits, except as noted in parentheses next to the entry.

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.

### FOUNDATIONS REQUIREMENTS:

**WRITTEN COMMUNICATION (FW)**  
Required: A total of 3 credits.  
___Eng 100  

**GLOBAL & MULTICULTURAL PERSPECTIVES (FG)**  
Required: A total of 6 credits; each course selected from 2 different groups.  
___ANTH 151 (FGA) ___ANTH 152 (FGB) ___ANTH 155 (FGC) ___ANTH 150 (FGD)  
___ART 175 (FGE) ___ART 176 (FGF)  
___HIST 151 (FGH) ___GEOG 102 if taken at WCC F2015 or later+ ___HIST 152 (FIG)  

**QUANTITATIVE REASONING (FQ)**  
The Foundation FQ requirement will be met by MATH 241 (requirement concentration course)

### DIVERSIFICATION REQUIREMENTS:

**ARTS, HUMANITIES, & LITERATURE:** Required: A total of 3 credits.  
Arts (DA)  
___ART 101 ___ART 202 ___CM 204C ___DNCE 270 ___JOUR 270 ___MUS 211 (2) ___THEA 220  
___ART 104D ___ART 207 ___CM 220 ___ENG 204A ___JOUR 286 ___MUS 221C (2)* ___THEA 221  
___ART 105B ___ART 208 ___CM 223 ___ENG 204B ___MUS 108 ___MUS 222C (2)* ___THEA 222  
___ART 105C ___ART 213 ___CM 240 ___ENG 204C ___MUS 114 (2)* ___MUS 240 ___THEA 223  
___ART 107 ___ART 214 ___CM 242 ___ENG 280 ___MUS 121B (2)* ___MUS 253 ___THEA 225  
___ART 108 ___ART 220 ___CM 280 ___HWST 130 ___MUS 121C (2)* ___MUS 280 ___THEA 231  
___ART 111 ___ART 223 ___CM 286 ___HWST 131 ___MUS 121D (2)* ___SP 151 ___THEA 232  
___ART 112 ___ART 224 ___CM 295A ___HWST 135 ___MUS 121F (2)* ___SP 231 ___THEA 233  
___ART 113 ___ART 243 ___CM 295B ___HWST 136 ___MUS 121Z (2)* ___SP 251 ___THEA 240  
___ART 114 ___ART 244 ___DNCE 121 ___HWST 222 ___MUS 122B (2)* ___SP 253 ___THEA 260  
___ART 115 ___ART 251 ___DNCE 131 ___HUM 100 ___MUS 122C (2)* ___THEA 101 ___THEA 280  
___ART 116 ___ART 253 ___DNCE 122 ___HUM 269V (1-6)* ___MUS 122D (2)* ___THEA 131  
___ART 123 ___ART 260 ___DNCE 132 ___ICS 123 ___MUS 122F (2)* ___THEA 132  
___ART 126 ___CM 120 ___DNCE 221 ___ICS 203 ___MUS 122Z (2)* ___THEA 133  
___ART 189 ___CM 126 ___DNCE 231 ___JOUR 200 ___MUS 130F (2)* ___THEA 211

*Any combination that totals 3 credits will be considered the equivalent of one semester course.

**Humanities (DAH)**  
___ART 269V (1-6) ___HWST 270 ___HIST 231 ___HIST 281 ___MUS 107 ___PHIL 211 ___REL 205  
___CM 255 ___HWST 273 ___HIST 232 ___HIST 282 ___MUS 166 ___PHIL 213 ___REL 206  
___HWST 107 ___HWST 275 ___HIST 241 ___HIST 284 ___MUS 177 ___REL 151 ___REL 207  
___HWST 115 ___HWST 275L (1)* ___HIST 242 ___HIST 285 ___PHIL 100 ___REL 201 ___THEA 177  
___HWST 140 ___HWST 285 (4) ___HIST 260 ___LING 102 ___PHIL 101 ___REL 202  
___HWST 255 ___HIST 230 ___MUS 106 ___PHIL 102

**Literature (DL)**  
___Eng 270 ___Eng 271 ___Eng 272

**SOCIAL SCIENCES (DS):** Required: A total of 3 credits.  
___ANTH 175 & 175L (4) ___GEOG 252 ___PSY 100 ___PSY 257 ___SOCS 225  
___ANTH 210 ___JOUR 150 ___PSY 170 ___PSY 260 ___SW 200  
___BOT 105 ___PACS 108 ___PSY 202 ___PSY 270 ___SP 260  
___ECON 130 ___POLS 110 ___PSY 212 ___SOC 100 ___WS 151  
___ECON 131 ___POLS 120 ___PSY 224 ___SOC 218 ___WS 200  
___ECON 220 ___POLS 130 ___PSY 240 ___SOC 231 ___WS 202  
___FAMR 230 ___POLS 160 ___PSY 250 ___SOC 251  
___GEOG 151 ___POLS 243 ___PSY 251
NATURAL SCIENCES: Required: A minimum of 3 credits Biological Sciences (DB).

AG 120  ANSC 262  BIOL 171  BOT 160  PHRM 203
AG 152  ANSC 271  BIOL 172  BOT 205  PHYL 141
ANSC 142  ANSC 151  ANSC 152  ANSC 253  ANSC 261
AQUA 106  AQUA 201  BIOL 100  BIOL 101  BIOL 124
BOT 200  BIOL 265  BOT 101  BOT 130  BOT 130
BIOL 171  BOT 205  PHYL 141  PHYL 142  OCN 102
BOT 160  BOT 210  ZOOL 101  ZOOL 154  ZOOL 254

CONCENTRATION REQUIREMENTS: Information & Communication Technology EMPHASIS: 31 credits

Natural Science Sequence

| CHEM 161 | OR | PHYS 151 | OR | PHYS 170 (4) |
| CHEM 161L (1) | | PHYS 151L (1) | | PHYS 170L (1) |
| CHEM 162 | | PHYS 152 | | PHYS 272 |
| CHEM 162L (1) | | PHYS 152L (1) | | PHYS 272L (1) |

| MATH 241(4) | ICS 111 (3) | ICS 211 (3) | ICS 241 (3) |
| MATH 242 (4) | ICS 141 (3) | ICS 212 or ICS 215 (3) |

ELECTIVES: Required: 11 credits of courses numbered 100 or above to achieve a total of 60 credits.

UH articulation website: http://www.hawaii.edu/transferdatabase/

Graduation Requirements

□ Cumulative GPA of 2.0 or higher for all course work taken in fulfillment of A.S. degree requirements.
□ At least 12 of the credits for the A.S. 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.
□ 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.
□ Last day for graduation certification is the last day of instruction.