

**ASSOCIATE IN ARTS DEGREE**  
**PATHWAY TO A MAJOR IN ENGINEERING-SCIENCE (10904)**  
**EFFECTIVE TERM: Fall 2017 (2017-1)**

## I. GENERAL EDUCATION REQUIREMENTS

### 1. COMMUNICATIONS (6.00 credits)

Gordon rule assigned

Must take 3.0 credits from the following group.

- ENC 1101 - English Composition 1 (3 credits)

- - - And - - -

Must take 3.0 credits from the following group.

- ENC 1102 - English Composition 2 (3 credits)

### 2. ORAL COMMUNICATIONS - MDC CORE (3.00 credits)

Gordon rule assigned

- ENC 2300 - Advanced Composition and Communication (3 credits)

- SPC 1017 - Fundamentals of Speech Communication (3 credit

- LIT 2480 - Issues in Literature & Culture (3 credits)

### 3. HUMANITIES (6.00 credits)

Gordon rule assigned

Must take 3.0 credits from the following group.

- ARH 1000 - Art Appreciation (3 credits)

- MUL 1010 - Music Appreciation (3 credits)

- HUM 1020 - Humanities (3 credits)

- PHI 2010 - Introduction to Philosophy (3 credits)

- LIT 2000 - Introduction to Literature (3 credits)

- THE 2000 - Theatre Appreciation (3 credits)

- - - And - - -

Must take 3.0 credits from the following group.

- ARC 2701 - History of Architecture 1 (3 credits)

- IND 1130 - History of Interiors 2 (3 credits)

- ARC 2702 - History of Architecture 2 (3 credits)

- LIT 2000 - Introduction to Literature (3 credits)

- ARH 1000 - Art Appreciation (3 credits)

- LIT 2120 - A Survey of World Literature 2 (3 credits)

- ARH 2050 - Art History 1 (3 credits)

- MUH 2111 - Survey of Music History 1 (3 credits)

- ARH 2051 - Art History 2 (3 credits)

- MUH 2112 - Survey of Music History 2 (3 credits)

- ARH 2740 - Cinema Appreciation (3 credits)

- MUL 1010 - Music Appreciation (3 credits)

- DAN 2100 - Dance Appreciation (3 credits)

- MUL 2380 - Jazz and Popular Music in America (3 credits)

- DAN 2130 - Dance History 1 (3 credits)

- PHI 2010 - Introduction to Philosophy (3 credits)

- HUM 1020 - Humanities (3 credits)

- PHI 2604 - Critical Thinking/Ethics (3 credits)

- IND 1100 - History of Interiors 1 (3 credits)

- THE 2000 - Theatre Appreciation (3 credits)

SELECT AT LEAST ONE GORDON RULE WRITING (GW) COURSE.

### 4. BEHAVIORAL/SOCIAL SCIENCE - SC (3.00 credits)

Gordon rule assigned

Must take 3.0 credits from the following group.

- ANT 2000 - Introduction to Anthropology (3 credits)

- SYG 2000 - Introduction to Sociology (3 credits)

- PSY 2012 - Introduction to Psychology (3 credits)

- - - Or - - -

Must take 3.0 credits from the following group.

- AMH 2020 - History of the US 1877 (3 credits)

- POS 2041 - American Federal Government (3 credits)

- ECO 2013 - Principles of Economics (Macro) (3 credits)

IF A BEHAVIORAL SCIENCE COURSE IS SELECTED FROM THE STATE CORE, THEN A SOCIAL SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE. IF A SOCIAL SCIENCE

COURSE IS SELECTED FROM THE STATE CORE, THEN A BEHAVIORAL SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE.

#### 5. BEHAVIORAL/SOCIAL SCIENCE - MC (3.00 credits)

Gordon rule assigned

Must take 3.0 credits from the following group.

- |   |  |
|---|--|
| <input type="checkbox"/> ANT 2000 - Introduction to Anthropology (3 credits)          | <input type="checkbox"/> ISS 1161 - The Individual in Society (3 credits)  |
| <input type="checkbox"/> ANT 2410 - Introduction to Cultural Anthropology (3 credits) | <input type="checkbox"/> PSY 2012 - Introduction to Psychology (3 credits) |
| <input type="checkbox"/> CLP 1006 - Psychology of Personal Effectiveness (3 credits)  | <input type="checkbox"/> SYG 2000 - Introduction to Sociology (3 credits)  |
| <input type="checkbox"/> DEP 2000 - Human Growth and Development (3 credits)          |  |

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- - - Or - - -  
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Must take 3.0 credits from the following group.

- |   |   |
|---|---|
| <input type="checkbox"/> AMH 2010 - History of the US to 1877 (3 credits)       | <input type="checkbox"/> POS 2041 - American Federal Government (3 credits)             |
| <input type="checkbox"/> AMH 2020 - History of the US since 1877 (3 credits)    | <input type="checkbox"/> WOH 2012 - History of World Civilization to 1789 (3 credits)   |
| <input type="checkbox"/> ECO 2013 - Principles of Economics (Macro) (3 credits) | <input type="checkbox"/> WOH 2022 - History of World Civilization from 1789 (3 credits) |
| <input type="checkbox"/> ISS 1120 - The Social Environment (3 credits)          |   |

IF A BEHAVIORAL SCIENCE COURSE IS SELECTED FROM THE STATE CORE, THEN A SOCIAL SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE. IF A SOCIAL SCIENCE COURSE IS SELECTED FROM THE STATE CORE, THEN A BEHAVIORAL SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE.

#### 6. NATURAL SCIENCE - STATE CORE (3.00 credits)

Gordon rule assigned

Must take 3.0 credits from the following group.

- |   |  |
|---|--|
| <input type="checkbox"/> BSC 1005 - General Education Biology (3 credits) | <input type="checkbox"/> BSC 2085 - Human Anatomy and Physiology 1 (3 credits)         |
| <input type="checkbox"/> BSC 2010 - Principles of Biology (3 credits)     | <input type="checkbox"/> EVR 1001 - Introduction to Environmental Sciences (3 credits) |

The following course(s) are not allowed for credit in this area.

All Labs

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- - - Or - - -  
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Must take 3.0 credits from the following group.

- |  |  |
|--|--|
| <input type="checkbox"/> AST 1002 - Descriptive Astronomy (3 credits)                      | <input type="checkbox"/> PHY 1020 - General Education Physics (3 credits)    |
| <input type="checkbox"/> CHM 1020 - General Education Chemistry (3 credits)                | <input type="checkbox"/> PHY 2048 - Physics with Calculus 1 (4 credits)      |
| <input type="checkbox"/> CHM 1045 - General Chemistry and Qualitative Analysis (3 credits) | <input type="checkbox"/> PHY 2053 - Physics (without Calculus) 1 (3 credits) |
| <input type="checkbox"/> ESC 1000 - General Education Earth Science (3 credits)            |  |

The following course(s) are not allowed for credit in this area.

All Labs

IF A LIFE SCIENCE COURSE IS SELECTED FROM THE STATE CORE, THEN A PHYSICAL SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE. IF A PHYSICAL SCIENCE COURSE IS SELECTED FROM THE STATE CORE, THEN A LIFE SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE.

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STUDENTS IN THE HEALTH SCIENCES ARE RECOMMENDED TO COMPLETE CHM 1033/1033L PRIOR TO REGISTERING FOR BSC 2085/2085L.

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STUDENTS IN THE BIOTECHNOLOGY PATHWAY MUST TAKE BSC 2426/2426L PRIOR TO ADMISSION TO THE BS IN BIOLOGICAL SCIENCES DEGREE.

#### 7. NATURAL SCIENCE - MDC CORE (3.00 credits)

Gordon rule assigned

Must take 3.0 credits from the following group.

- |   |  |
|---|--|
| <input type="checkbox"/> BOT 1010 - Botany (3 credits)  | <input type="checkbox"/> BSC 2250 - Natural History of South Florida (3 credits)       |
| <input type="checkbox"/> BSC 1005 - General Education Biology (3 credits)                         | <input type="checkbox"/> EVR 1001 - Introduction to Environmental Sciences (3 credits) |
| <input type="checkbox"/> BSC 1030 - Social Issues in Biology (3 credits)                          | <input type="checkbox"/> HUN 1201 - Essentials of Human Nutrition (3 credits)          |
| <input type="checkbox"/> BSC 1050 - Biology & Environment (3 credits)                             | <input type="checkbox"/> OCB 1010 - Introduction to Marine Biology (3 credits)         |
| <input type="checkbox"/> BSC 1084 - Functional Human Anatomy (3 credits)                          | <input type="checkbox"/> PCB 2033 - Introduction to Ecology (3 credits)                |
| <input type="checkbox"/> BSC 2010 - Principles of Biology (3 credits)                             | <input type="checkbox"/> PCB 2340C   |
| <input type="checkbox"/> BSC 2020 - Human Biology: Fundamentals of Anatomy/Physiology (3 credits) | <input type="checkbox"/> ZOO 1010 - Zoology (3 credits)                                |

- BSC 2085 - Human Anatomy and Physiology 1 (3 credits)

The following course(s) are not allowed for credit in this area.

All Labs

-----  
- - - Or - - -  
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Must take 3.0 credits from the following group.

- |   |  |
|---|--|
| <input type="checkbox"/> AST 1002 - Descriptive Astronomy (3 credits)           | <input type="checkbox"/> OCE*  |
| <input type="checkbox"/> CHM*   | <input type="checkbox"/> PHY*  |
| <input type="checkbox"/> ESC 1000 - General Education Earth Science (3 credits) | <input type="checkbox"/> PSC 1121 - General Education Physical Science (3 credits) |
| <input type="checkbox"/> GLY*   | <input type="checkbox"/> PSC 1515 - Energy in the Natural Environment (3 credits)  |
| <input type="checkbox"/> MET*   |  |

The following course(s) are not allowed for credit in this area.

All Labs

IF A LIFE SCIENCE COURSE IS SELECTED FROM THE STATE CORE, THEN A PHYSICAL SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE. IF A PHYSICAL SCIENCE COURSE IS SELECTED FROM THE STATE CORE, THEN A LIFE SCIENCE COURSE MUST BE SELECTED FROM THE MDC CORE.

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STUDENTS IN THE HEALTH SCIENCES ARE RECOMMENDED TO COMPLETE CHM 1033/1033L PRIOR TO REGISTERING FOR BSC 2085/2085L.

\*\*\*\*\*

STUDENTS IN THE BIOTECHNOLOGY PATHWAY MUST TAKE BSC 2426/2426L PRIOR TO ADMISSION TO THE BS IN BIOLOGICAL SCIENCES DEGREE.

### 8. MATHEMATICS (6.00 credits)

Gordon rule assigned

Must take 3.0 credits from the following group.

- |  |  |
|--|--|
| <input type="checkbox"/> MAC 1105 - College Algebra (3 credits)                    | <input type="checkbox"/> MGF 1107 - Mathematics for Liberal Arts 2 (3 credits) |
| <input type="checkbox"/> MAC 2311 - Calculus and Analytical Geometry 1 (5 credits) | <input type="checkbox"/> STA 2023 - Statistical Methods (3 credits)            |
| <input type="checkbox"/> MGF 1106 - Mathematics for Liberal Arts 1 (3 credits)     |  |

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- - - And - - -  
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Must take 3.0 credits from the following group.

- |  |   |
|--|---|
| <input type="checkbox"/> MAC*  | <input type="checkbox"/> MGF*   |
| <input type="checkbox"/> MAD 2104 - Discrete Mathematics (3 credits) | <input type="checkbox"/> MTG 2204 - Geometry for Educators (3 credits)    |
| <input type="checkbox"/> MAP*  | <input type="checkbox"/> QMB 2100 - Basic Business Statistics (3 credits) |
| <input type="checkbox"/> MAS*  | <input type="checkbox"/> STA 2023 - Statistical Methods (3 credits)       |

### 9. GENERAL EDUCATION ELECTIVE (3.00 credits)

Gordon rule assigned

- |   |  |
|---|--|
| <input type="checkbox"/> ACG 2021 - Financial Accounting (3 credits)                  | <input type="checkbox"/> IND 1100 - History of Interiors 1 (3 credits)                     |
| <input type="checkbox"/> AMH 2010 - History of the US to 1877 (3 credits)             | <input type="checkbox"/> IND 1130 - History of Interiors 2 (3 credits)                     |
| <input type="checkbox"/> AMH 2020 - History of the US since 1877 (3 credits)          | <input type="checkbox"/> INR 2002 - International Relations (3 credits)                    |
| <input type="checkbox"/> ANT 2000 - Introduction to Anthropology (3 credits)          | <input type="checkbox"/> ISS 1120 - The Social Environment (3 credits)                     |
| <input type="checkbox"/> ANT 2410 - Introduction to Cultural Anthropology (3 credits) | <input type="checkbox"/> ISS 1161 - The Individual in Society (3 credits)                  |
| <input type="checkbox"/> ARC 2701 - History of Architecture 1 (3 credits)             | <input type="checkbox"/> ISS 2270 - Multicultural Communications and Relations (3 credits) |
| <input type="checkbox"/> ARC 2702 - History of Architecture 2 (3 credits)             |  |
| <input type="checkbox"/> ARH 1000 - Art Appreciation (3 credits)                      | <input type="checkbox"/> ITA2*   |
| <input type="checkbox"/> ARH 2050 - Art History 1 (3 credits)                         | <input type="checkbox"/> JPN2*   |
| <input type="checkbox"/> ARH 2051 - Art History 2 (3 credits)                         | <input type="checkbox"/> LIT 2000 - Introduction to Literature (3 credits)                 |
| <input type="checkbox"/> ARH 2740 - Cinema Appreciation (3 credits)                   | <input type="checkbox"/> LIT 2120 - A Survey of World Literature 2 (3 credits)             |
| <input type="checkbox"/> ASL 2160C - American Sign Language 3 (4 credits)             | <input type="checkbox"/> LIT 2480 - Issues in Literature & Culture (3 credits)             |
| <input type="checkbox"/> ASL 2200C - American Sign Language 4 (4 credits)             | <input type="checkbox"/> MAC*  |
| <input type="checkbox"/> ASL*   | <input type="checkbox"/> MAD 2104 - Discrete Mathematics (3 credits)                       |
| <input type="checkbox"/> AST*   | <input type="checkbox"/> MAP*  |
| <input type="checkbox"/> BOT*   | <input type="checkbox"/> MAS*  |
| <input type="checkbox"/> BSC*   | <input type="checkbox"/> MET*  |
| <input type="checkbox"/> CGS 1060   | <input type="checkbox"/> MGF*  |
| <input type="checkbox"/> CHI2*  | <input type="checkbox"/> MUH 2111 - Survey of Music History 1 (3 credits)                  |
| <input type="checkbox"/> CHM*   | <input type="checkbox"/> MUH 2112 - Survey of Music History 2 (3 credits)                  |
| <input type="checkbox"/> CIS 1000 - Introduction to Data Processing (4 credits)       | <input type="checkbox"/> MUL 1010 - Music Appreciation (3 credits)                         |
| <input type="checkbox"/> CLP 1006 - Psychology of Personal Effectiveness (3 credits)  | <input type="checkbox"/> MUL 2380 - Jazz and Popular Music in America (3 credits)          |

- COP 1332 - Introduction to Visual Basic Programming (4 credits)
- COP 1334 - Introduction to C++ Programming (4 credits)
- COP 2270 - "C" for Engineers (4 credits)
- DAN 2100 - Dance Appreciation (3 credits)
- DAN 2130 - Dance History 1 (3 credits)
- DEP 2000 - Human Growth and Development (3 credits)
- ECO 2013 - Principles of Economics (Macro) (3 credits)
- ESC 1000 - General Education Earth Science (3 credits)
- EDF 1005 - Introduction to the Teaching Profession (3 credits)
- EDF 2085 - Introduction to Diversity (3 credits)
- EEX 2000 - Introduction to Special Education (3 credits)
- ENC 2300 - Advanced Composition and Communication (3 credits)
- FRE2\*
- FRW2\*
- GEO 2420 - Introduction to Cultural Geography (3 credits)
- GER2\*
- GLY\*
- HBR2\*
- HLP 1080 - Wellness (2 credits)
- HLP 1081 - Fitness & Wellness for Life (3 credits)
- HSC 2400 - Basic Emergency Care (3 credits)
- HUM 1020 - Humanities (3 credits)
- HUN 1201 - Essentials of Human Nutrition (3 credits)
- OCE\*
- PCB 2033 - Introduction to Ecology (3 credits)
- PCB 2340C
- PHI 2010 - Introduction to Philosophy (3 credits)
- PHI 2604 - Critical Thinking/Ethics (3 credits)
- PHY\*
- POR2\*
- POS 2041 - American Federal Government (3 credits)
- POS 2112 - State and Local Government in America (3 credits)
- PSC\*
- PSY 2012 - Introduction to Psychology (3 credits)
- QMB 2100 - Basic Business Statistics (3 credits)
- REL 2300 - Survey of World Religions (3 credits)
- RUS2\*
- SPC 1017 - Fundamentals of Speech Communication (3 credit)
- SPN2\*
- STA 2023 - Statistical Methods (3 credits)
- SYG 2000 - Introduction to Sociology (3 credits)
- SYG 2230 - Multi-Ethnic America (3 credits)
- THE 2000 - Theatre Appreciation (3 credits)
- WOH 2012 - History of World Civilization to 1789 (3 credits)
- WOH 2022 - History of World Civilization from 1789 (3 credits)
- ZOO\*

**10. COMPUTER COMPETENCY REQ.**

Test type(s) needed:

- CGS 1060

BY THE 16TH EARNED COLLEGE-LEVEL CREDIT (EXCLUDING EAP, ENS, ESL, AND DEVELOPMENTAL EDUCATION COURSES), A STUDENT MUST HAVE ATTEMPTED CGS 1060, AN EQUIVALENT COLLEGE CREDIT COURSE, CTS 0050, OR THE CSP.  
OR

BY THE 31ST EARNED COLLEGE-LEVEL CREDIT (EXCLUDING EAP, ENS, ESL, AND DEVELOPMENTAL EDUCATION COURSES), A STUDENT MUST HAVE DEMONSTRATED COMPUTER COMPETENCY BY PASSING CGS 1060, AN EQUIVALENT COLLEGE CREDIT COURSE, CTS 0050, OR THE CSP.

**11. FOREIGN LANGUAGE COMPETENCY**

- ASL 1150C - American Sign Language 2 (4 credits)
- CHI 1121 - Elementary Mandarin Chinese 2 (4 credits)
- FRE 1121 - Elementary French 2 (4 credits)
- GER 1121 - Elementary German 2 (4 credits)
- ITA 1121 - Elementary Italian 2 (4 credits)
- JPN 1121 - Elementary Japanese 2 (4 credits)
- POR 1121 - Elementary Portuguese 2 (4 credits)
- RUS 1121 - Elementary Russian 2 (4 credits)
- SPN 1121 - Elementary Spanish 2 (4 credits)

**12. FIRST YEAR EXPERIENCE SEMINAR**

- SLS 1106 - First Year Experience Seminar (1 credits)
- IDH 1001 - Honors Leadership Seminar 1 (1.00 - 3.00 credits)
- IDS 1044 - Leadership Seminar (3 credits)
- SLS 1125 - Student Support Seminar (3 credits)
- SLS 1502 - College Study Skills (1.00 - 3.00 credits)
- SLS 1505 - College Survival Skills (1 credits)
- SLS 1510 - Preparing for Student Success (3 credits)

Note: SLS 1106 is the recommended course. For the alternative courses listed, see advisor.

**II. ELECTIVES**

24 Credits Required

Courses that are not used for General Education Requirements may be used in the Electives Block.

Students are encouraged to check with their advisor for appropriate "pathways to a major"

or go to [www.FLVC.org](http://www.FLVC.org) for transfer information.

ACG 2001, 2001L, 2011, 2011L, 2021, 2021L, 2031, 2071, 2071L, 2100, 2110, 2170, 2360, 2450, 2630,  
AFH, AMH, AML, ANT, ARC, ARH, ART, ASL 1140C, 1150C, 2160C, 2200C, AST, BOT, BSC, BUL 2130, 2241, 2242,  
CCJ (except 1949, 2940, 2949, 2995), CGS 1021, 1060, 1145, 2092, 2405, 2423, CHI, CHM, CJC 1000, 1162,  
CJD (except 1940), CJL 2062, CJT (except 2990), CLP, COP 1170, 2004, 1220, 2171, 2800, 2805, CPO, CRW,  
CTE 1401, DAA, DAN, DEP, EAP (Levels 5 & 6), ECO, EDF (except 1949, 2949), EDG (except 2943), EEC, EEL, EEX, EGN 2033  
EGS 1001C, 1010, 1111C, 2311, EME, ENC (except 0002, 0020, 0021, 1112, 1113), ENG, ENL, EUH, EVR 1001,  
FIL 1030, 1055, 1100, 1360, 1420C, 1431C, 2130, 2515C, 2552C, 2553C, 2560C, 2572C, 2611, FIN 2100, FRE,  
FRW, GEA, GEB 1011, 2112, 2350, GEO, GER, GLY, GRA 1111C, 2117C, 2190C, 2191C, HAI, HBR,  
HFT 1000, 1210, 1220, 1300, 1454, 2223, 2410, 2421, 2500, 2501, 2750, 2800, HLP 1080, 1081, 1083, 1087,  
HOS 1010, HSC 1400, 1121, 2100, 2400, HUM, HUN, HUS, IDS 1044, 1153, IND 1020, 1100, 1130, 1200, 2210, 2220,  
INP, INR, IPM 2112, ISC, ISS 1120, 1161, 2270, ITA, JOU (all courses transferable except for majors), JPN,  
JST, LAH, LIN, LIS, LIT, MAC, MAD, MAN 2021, 2300, 2604, MAP, MAR 1011, 1720, 2150, MAS, MAT 1033, MCB, MET, MGF,  
MMC, MNA 1345, 2120, MTG, MUC, MUE, MUH, MUL, MUM 2704, MUN, MUO, MUS, MUT, MVB, MVJ, MVK, MVO, MVP, MVS,  
MVV, MVW, OCB, OCE, OST 2335, PAD, PCB, PCO, PEP, PET (except 1949, 2303, 2303L, 2622C, 2940, 2949),  
PGY 2110C, 2111C, 2112C, 2401C, 2410C, 2470C, 2475, 2800C, PHI, PHM, PHY,  
PLA 2003, 2104, 2114, 2203, 2223, 2273, 2303, 2600, 2763, 2800, POR, POS, POT, PSB, PSC, PSY, PUR, QMB,  
REL, RTV 1100, RUS, SLS 1106, 1125, 1401, 1505, 1510, SOP, SOW, SPA, SPC, SPN, SPW, SUR 1001C, STA, SYG, THE,  
TPA, TPP, VIC, WOH, ZOO

Effective Date: Fall 2013

Approved by CASSC: Curriculum Report #101

\* End of Program Sheet \*