

**Bucks County Community College**  
**A.A. MATHEMATICS (1006)**

**And**

**Holy Family University**  
**B.A. MATHEMATICS**

**Entry to BCCC as of Fall 2014**

**Bucks CCC - FRESHMEN YEAR – A.A. Mathematics (1006)**

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|---|--|
| ___ (3) COMP 110 (ENGL 101)   | ___ (3) COMP 111 (ENGL 102)  |
| ___ (3) COMM 110 (ENGL 115) (Core:Speech)                                 | ___ (3) Soc Pers: SOCI 110 (SOCO 101) OR<br>PSYC 110 (PSYC 101) (Core: SC#2) |
| ___ (4) MATH 140 (MATH 211)   | ___ (4) MATH 141 (MATH 212)  |
| ___ (3) CISC 115 (#)  | ___ (4) PHYS 121 (PHYS 201)  |
| ___ (3) Per Hlth: PSYC 125 or HLTH 120 or<br>16 COMM 105 (Free elective)+ | 14   |

**Bucks CCC -SOPHOMORE YEAR – A.A. Mathematics (1006)**

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|---|--|
| ___ (4) MATH 242 (MATH 213)                       | ___ (3) INTG 285: Student choice of topic (Free Elective, req.)                                    |
| ___ (3) MATH 260 (MATH 220)                       | ___ (3) MATH 250 (MATH 221) (MATH elect #1 in major)   |
| ___ (3) Cult Per: PHIL 125 (PHIL 101)(Core: SC#1) | ___ (3) Elective: PHIL 105 (PHIL 202) (Req. in Major)  |
| ___ (4) Elective: PHYS 122 (PHYS 202)             | ___ (3) Elective: HUMN 120 (RELS 104) (Core: TL #1)  |
| ___ (3) Elective CISC 122 (#)                     | ___ (3) Elective: HIST 151 or HIST 152 or HIST 176<br>15 (HIST 203, HIST 204, HIST 205)(Core:GP#3) |
| 17  |  |
- (# ) CISC 115 + CISC 122 = CMIS 107(required course)

**Holy Family University - JUNIOR YEAR – B.A. Mathematics**

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| ___ (3) Modern Language I (GP #1) *                        | ___ (3) Modern Language (GP #2) *                    |
| ___ (3) CORE: THEOL. LITERACY #2                           | ___ (3) CORE: GLOBAL PERSPECTIVE #4 (Gbl Hist)       |
| ___ (3) MATH 308:Probability or<br>MATH 316:Mod. Algebra I | ___ (3) MATH 250: Discrete Mathematics               |
| ___ (3) CORE: NATURAL SCIENCE #1 (lab)                     | ___ (3) MATH 403: Adv. Calculus or Req.Free Elective |
| ___ (3) CORE: MATH (Free Core Choice for Math req.)<br>15  | ___ (3) MATH – ELECTIVE #2<br>15                     |

**Holy Family University – SENIOR YEAR – B.A. Mathematics**

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| ___ (3) CORE: NAT SCIENCE #2 (non-lab)                       | ___ (3) CORE: GNED 400: Interdisc. Core Seminar      |
| ___ (3) MATH 308: Probability or<br>MATH 316: Mod. Algebra I | ___ (3) MATH 403:Adv Calculus. or Req. Free Elective |
| ___ (3) MATH 435: Sen. Problem Solving Seminar               | ___ (3) MATH 440: Directed Research                  |
| ___ (3) Required Free Elective                               | ___ (3) Required Free Elective                       |
| ___ (3) Required Free Elective<br>15                         | ___ (3) Required Free Elective<br>15                 |

**MATH MAJOR LEVEL OFFERINGS**

<u>Fall – Odd Years</u>	<u>Spring – Even Years</u>	<u>Fall- Even Years</u>	<u>Spring – Odd Years</u>
MATH 211	MATH 212	MATH 211	MATH 212
MATH 213	MATH 250	MATH 213	MATH 250
MATH 305	MATH 220	MATH 303	MATH 221 MATH 309
MATH 308	MATH 401	MATH 316	MATH 317
MATH 410/4XX	MATH 403	MATH 404/405	MATH 327
MATH 435	MATH 440	MATH 435	MATH 440

**TOTAL CREDITS: 122**

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+ Selection limited to 3 credit course to ensure transfer as free elective.

\* Two semesters of the same language sequence are needed to meet requirement.

**Additional information regarding MATHEMATICS concentration:**

At least nine credits in upper division courses (numbered 220 or higher) must be completed in the division to meet degree requirements.

Continuation in major requires GPA of 2.5 in all completed Mathematics courses.

Successful completion of a comprehensive examination is required.

**Note: A minimum of 60 credits must be earned at Holy Family University to be eligible for commencement honors.**

Note: Course sequence progression is based on admission to Holy Family University for the Fall semester.

Admitting in the Spring semester alters the program progression as outlined and will result in extending degree completion beyond the four semester sequence.

August 2014 - BCCC/HF REVISED UPDATED FINAL

BCCC: Mathematics/ HF: Mathematics:

New General Education Core at Holy Family University as of Fall 2014

Effective for all students who enter Bucks County Community College as of Fall 2014.