

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

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

**Entry to BCCC as of Fall 2015**

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

- |   |   |
|---|---|
| ___ (3) CISC 115 (#)                      | ___ (3) COMP 111 (ENGL 102)                 |
| ___ (3) COMM 110 (ENGL 115) (Core:Speech) | ___ (4) MATH 141 (MATH 212)                 |
| ___ (3) COMP 110 (ENGL 101)               | ___ (4) PHYS 121 (PHYS 201)                 |
| ___ (4) MATH 140 (MATH 211)               | ___ (3) Soc Science: SOCI 110 (SOCO 101) OR |
| 14  | PSYC 110 (PSYC 101) (Core: SC#2)            |
|   | ___ (3) Math Elective: MATH 250 (MATH 221)  |
|   | 17 (MATH elect #1 in major)                 |

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

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|---|---|
| ___ (4) MATH 242 (MATH 213)                       | ___ (3) MATH 260 (MATH 220, Req. in major)                  |
| ___ (3) MATH 121 (MATH 250, required in major)    | ___ (3) Math Elect: MATH 115 (MATH 130, free elective)      |
| ___ (3) Arts/Hum: PHIL 125 (PHIL 101)(Core: SC#1) | ___ (3) General Elect.: PHIL 105 (PHIL 202) (Req. in Major) |
| ___ (4) Elective: PHYS 122 (PHYS 202)             | ___ (3) General Elect.: HUMN 120 (RELS 104) (Core: TL #1)   |
| 14  | ___ (3) General Elective: CISC 122 (#)                      |
|   | 15  |

(#) CISC 115 + CISC 122 = CMIS 107(required course) Both courses required for credit.

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

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|---|--|
| ___ (3) CORE: Modern Language I (N/GP #1)           | ___ (3) CORE: Modern Language (N/GP #2) *            |
| ___ (3) CORE: NAT/GBL PERSPECT. #3 (National)       | ___ (3) CORE: NATURAL SCIENCE #2 (non-lab)           |
| ___ (3) MATH 308:Probability or                     | ___ (3) CORE: THEOLOGICAL LITERACY #2                |
| MATH 316:Mod. Algebra I                             | ___ (3) MATH 403: Advanced Calculus or Free Elective |
| ___ (3) CORE: NATURAL SCIENCE #1 (lab)              | ___ (3) MATH Elective #2                             |
| ___ (3) CORE: MATH (Free Core Choice for Math req.) | ___ (3) Required Free Elective                       |
| 15  | 18   |

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

- |  |  |
|--|--|
| ___ (3) CORE: NAT/GBL PERSPECT.#4 (Global)     | ___ (3) CORE: GNED 400: Interdisc. Core Seminar      |
| ___ (3) MATH 308: Probability or               | ___ (3) MATH 403: Advanced Calculus or Free Elective |
| MATH 316: Mod. Algebra I                       | ___ (3) MATH 440: Directed Research                  |
| ___ (3) MATH 435: Sen. Problem Solving Seminar | ___ (3) Required Free Elective                       |
| ___ (3) Required Free Elective                 | ___ (3) Required Free Elective                       |
| ___ (3) Required Free Elective                 | 15   |
| 15   |  |

**TOTAL CREDITS: 123**

@ Please refer to the chart on page 2 of these program sheets for the chart of how Math courses are offered.

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

@ 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<br>MATH 309      |
| MATH 308                | MATH 401                   | MATH 316                | MATH 317                  |
| MATH 410                | MATH 403                   | MATH 404/405            | MATH 327                  |
| MATH 435                | MATH 440                   | MATH 435                | MATH 440                  |

**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.

3-2016 FINAL      BCCC: Mathematics/ HF: Mathematics:  
 New General Education Core at Bucks County Community College as of Fall 2015.  
 Effective for all students who enter Bucks County Community College as of Fall 2015.