

BSMTH-CAP

Bachelor of Science in Mathematics w/Specialization in Computer Application

| First Trimester, AY 2019-2020 | | | |
|-------------------------------|---|--------------|--------------|
| Course Code | Course Title | Units | Prerequisite |
| MTH101A | Foundation Course in Mathematics | 5 | |
| STT101A | Foundation Course in Statistics | 3 | |
| GEARTAP | Art Appreciation | 3 | |
| FUNDBIO | Fundamentals of Biology | 3 | |
| LCLSONE | Lasallian Studies 1 | (1) | |
| LASARE1 | Lasallian Recollection 1 | 0 | |
| NSTP101 | National Service Training Program-General Orientation | 0 | |
| Total Units | | 14(1) | |

| First Trimester, AY 2020-2021 | | | |
|-------------------------------|--|--------------|--------------|
| Course Code | Course Title | Units | Prerequisite |
| GEFIL2 | Mga Usaping Pang-wika sa Iba't ibang Larangan | 3 | |
| GESPORT | Physical Fitness and Wellness in Individual/ Dual Sports | 2 | |
| CCPROG3 | Programming with Structured Data Analysis | 3 | MTPROG2 |
| CCINFOM | Information Management | 3 | MTPROG2 |
| MTH203A | Mathematical Analysis 3 | 5 | MTH202A |
| LCLSTWO | Lasallian Studies 2 | (1) | |
| LASARE2 | Lasallian Recollection 2 | 0 | |
| NSTPCW2/LT2/RO2 | CWTS Community Service Phase/ ROTC Military Science 2: Service Oriented Module | (3) | |
| Total Units | | 16(4) | |

| First Trimester, AY 2021-2022 | | | |
|-------------------------------|--------------------------|--------------|--------------|
| Course Code | Course Title | Units | Prerequisite |
| MTH225A | Graph Theory | 3 | MTH221A |
| GEETHIC | Ethics | 3 | |
| MTH224A | Abstract Algebra 2 | 3 | MTH223A |
| MTH241A | Differential Equations | 3 | MTH203A |
| MTH243A | Complex Analysis | 3 | MTH203A |
| LCLSTRI | Lasallian Studies 3 | (1) | |
| LASARE3 | Lasallian Recollection 3 | 0 | |
| Total Units | | 15(1) | |

| First Trimester, AY 2022-2023 | | | |
|-------------------------------|-------------------------------------|-----------|------------------|
| Course Code | Course Title | Units | Prerequisite |
| LCENWRD | Encountering the Word in the World | 3 | |
| CCAPDEV | Web Application Development | 3 | CCPROG3 |
| MTH230A | Modern Geometry | 3 | MTH221A, MTH223A |
| CSMODEL | Statistical Modeling and Simulation | 3 | MTH221A, STT141A |
| MTH422A | Thesis Writing 1 | 2 | |
| MTH421A | Mathematics Seminar | 1 | |
| Total Units | | 15 | |

| Second Trimester, AY 2019-2020 | | | |
|--------------------------------|----------------------------------|-----------|--------------|
| Course Code | Course Title | Units | Prerequisite |
| GEMATMW | Mathematics in the Modern World | 3 | |
| GEFTWEL | Physical Fitness and Wellness | 2 | |
| STT201A | Exploratory Data Analysis | 3 | |
| MTH201A | Mathematical Analysis 1 | 5 | MTH101A |
| MTH210A | Introduction to Set Theory | 3 | |
| MTPROG1 | Computational Thinking in Python | 3 | |
| SAS1000 | Student Affairs Services 1000 | 0 | |
| Total Units | | 19 | |

| Second Trimester, AY 2020-2021 | | | |
|--------------------------------|--|-----------|------------------|
| Course Code | Course Title | Units | Prerequisite |
| GEPCOMM | Purposive Communication | 3 | |
| GETEAMS | Physical Fitness and Wellness in Team Sports | 2 | |
| CCDSALG | Data Structures and Algorithms | 3 | MTPROG2 |
| MTH223A | Abstract Algebra 1 | 3 | MTH210A |
| MTH257A | Statistical Theory 1 | 3 | MTH210A, MTH202A |
| MTH221A | Linear Algebra | 3 | MTH202A |
| Total Units | | 17 | |

| Second Trimester, AY 2021-2022 | | | |
|--------------------------------|--------------------------------------|-----------|------------------|
| Course Code | Course Title | Units | Prerequisite |
| GERIZAL | Life and Works of Rizal | 3 | |
| GESTSOC | Science, Technology, and the Society | 3 | |
| DATAPRE | Data Integration and Preparation | 3 | CCINFOM, CCNTSYS |
| CSALGCM | Algorithms and Complexity | 3 | CCDSALG |
| STT141A | Linear Models | 3 | MTH258A, MTH221A |
| Total Units | | 15 | |

| Second Trimester, AY 2022-2023 | | | |
|--------------------------------|------------------|----------|------------------|
| Course Code | Course Title | Units | Prerequisite |
| MTH411A | Practicum | 3 | |
| MTH423A | Thesis Writing 2 | 3 | MTH421A, MTH422A |
| Total Units | | 6 | |

TO THE STUDENT: Please take note that subjects should not be enrolled without passing their respective pre-requisite. Be reminded that subjects taken without having passed the pre-requisites will be **INVALIDATED**. Subjects without pre-requisite can be taken in any term. Please be guided accordingly. Thank you.

Academic Units **173**
 Non-Academic Units **9**
Total Units **182**

| Third Trimester, AY 2019-2020 | | | |
|-------------------------------|---|--------------|--------------|
| Course Code | Course Title | Units | Prerequisite |
| GEFIL1 | Introduksyon sa Filipino-lohiya | 3 | |
| GEDANCE | Physical Fitness and Wellness in Dance | 2 | |
| MTH202A | Mathematical Analysis 2 | 5 | MTH201A |
| MTH220A | Number Theory | 3 | MTH210A |
| MTPROG2 | Advanced Programming in Python | 3 | MTPROG1 |
| NSTPCW1/LT1/RO1 | CWTS Formation Phase / Military Science 1: ROTC Common Module | (3) | |
| Total Units | | 16(3) | |

| Third Trimester, AY 2020-2021 | | | |
|-------------------------------|---|-----------|----------------------|
| Course Code | Course Title | Units | Prerequisite |
| LCFAITH | Faith Worth Living | 3 | |
| GEUSELF | Understanding the Self | 3 | |
| CSINTSY | Introduction to Artificial Intelligence | 3 | MTH210A |
| MTH258A | Statistical Theory 2 | 3 | MTH257A |
| PHYMT01 | Physics Fundamentals(lec) | 3 | MTH101A, LBYPH01 (c) |
| LBYPH01 | Physics Fundamentals(lab) | 1 | PHYMT01 (c) |
| Total Units | | 16 | |

| Third Trimester, AY 2021-2022 | | | |
|-------------------------------|--------------------------------|-----------|--------------|
| Course Code | Course Title | Units | Prerequisite |
| GELITPH | Literatures of the Philippines | 3 | |
| MTH242A | Numerical Analysis | 3 | MTH221A |
| MTH245A | Advanced Calculus | 3 | MTH203A |
| DATANVI | Data Analysis & Visualization | 3 | DATAPRE |
| MTH253A | Operations Research 1 | 3 | MTH221A |
| MTHGEPR | Global Enrichment Program | 0 | |
| Total Units | | 15 | |

| Third Trimester, AY 2022-2023 | | | |
|-------------------------------|--------------------------------|----------|--------------|
| Course Code | Course Title | Units | Prerequisite |
| GERPHIS | Readings in Philippine History | 3 | |
| GEWORLD | The Contemporary World | 3 | |
| LCASEAN | The Filipino and ASEAN | 3 | |
| Total Units | | 9 | |

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