



MAST@FIU

Biscayne Bay Campus

Course Selection 2020

MAST@FIU Requirements

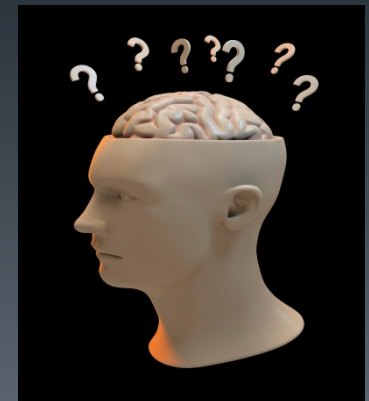
- 4 credits in English/ESOL
- 4 credits in Mathematics
- 6-8 credits in Science
- 4 credits in Social Studies
- 1 credit in a Performing/Fine/Practical Art
- 1 credit in Personal Fitness/Health
- 2-4 credits in Electives

Minimum 24 credits required

Course Selection

Course Placement Criteria

- Previous Grades
- Grade Point Average
- Standardized Test Scores (FSA, PERT, PSAT, SAT, ACT)
- Teacher Recommendation
- Student Interest



Required Core Curriculum

- ❖ 1 Course in English
- ❖ 1 Course in Mathematics
- ❖ 2 Courses in Science
 - Computer Science may be used.
- ❖ 1 Course in Social Studies
- ❖ 1 Elective
 - Required electives must be completed first. Students may take additional electives through FLVS.

English Courses

- ❖ English 1 (H)
- ❖ English 2 (H)
- ❖ English 3 (H/AP/DE)
- ❖ English 4 (H/AP/DE)

Mathematics Courses

- ❖ Geometry (H)
- ❖ Algebra 2 (H)
- ❖ Trigonometry & Math Analysis (H)
- ❖ Pre-Calculus (H)
- ❖ Calculus (H)
- ❖ Calculus AB (AP)
- ❖ Calculus BC (AP)
- ❖ Statistics (AP)

Science Courses

- ❖ Biology (H)
- ❖ Chemistry (H)
- ❖ Physics (H)
- ❖ Anatomy & Physiology (H)
- ❖ Biology (AP)
- ❖ Chemistry (AP)
- ❖ Physics (AP)

Magnet Science Courses

- ❖ Marine Science 1 (H)
- ❖ Marine Science 1 (H)
- ❖ Environmental Science (H)
- ❖ Environmental Science (AP)

Social Studies Courses

- ❖ World History (H/AP/DE)
- ❖ Human Geography (AP)
- ❖ Psychology (H/AP/DE)
- ❖ European History (AP)
- ❖ U.S. History (H/AP/DE)
- ❖ U.S. Government & Economics (H/AP/DE)

Required Courses

- ❖ Personal Fitness & Fitness Life Style Design
- ❖ Foreign Language (1 & 2)
- ❖ Practical or Fine Art
 - Introduction to Digital Technology
 - Art History & Criticism (H)

Elective Courses

- ❖ Journalism 1 (FA credit)
- ❖ Computer Science Principles (AP)*
- ❖ Computer Science (AP)*
- ❖ Executive Internship (H)

* May be used to replace science elective course in grade 11 or 12.

Course Selection

- Review the Program of Study and Course Selection Guide
- Obtain the Course Selection Form that corresponds to your next grade level
- Select your courses using the Course Listing
- Enter the requested information for the courses you have selected on the Course Selection Form
- Obtain any required approvals

Course Listing

Mathematics (Program of Study, 4 Years)

| SN | COURSE NAME | GRD | PR | NOTES |
|-----|-------------------------------------|-------|------|---|
| B01 | Honors Geometry | 9 | None | Math requirement |
| B03 | Honors Algebra 2 | 9-10 | B01 | Math requirement |
| B09 | Honors Math Analysis & Trigonometry | 10-11 | B03 | Math requirement, replaces B05 |
| B05 | Honors Pre-Calculus | 11-12 | B03 | Math requirement, replaces B09/B10, requires approval |
| B11 | Honors Calculus | 11-12 | B05 | Replaces B13, requires approval |
| B13 | AP Calculus AB | 11-12 | B05 | Replaces B11, requires approval |
| B15 | AP Calculus BC | 12 | B13 | Requires counselor approval |

Course Selection Form



| Number | Course Category | Course Sequence Number | Course Name | Teacher Approval (if required) | Counselor Approval (if required) |
|--------|--------------------|------------------------|-------------|--------------------------------|----------------------------------|
| 1 | English | | | | |
| 2 | Mathematics | | | | |
| 3 | Science 1 | | | | |
| 4 | Science 2 | | | | |
| 5 | Social Studies | | | | |
| 6 | Required Elective | | | | |
| | Required Elective | | | | |
| | Alternate Elective | | | | |

To Do List

- Review the resources provided
- Select your courses
- Confer with your parents regarding course selections
- Obtain teacher approvals
- Submit Course Selection Form on or before the deadline

