

Mathematics Program’s

Recommended Course Sequence

2020 - 2021 Catalog Year

The following is a suggested two and a half year course sequence recommended by the department faculty. Note that pre-requisites for courses are not included in this plan, and it is always advisable to meet with a counselor to ensure you are meeting all current requirements.

**Associate of Arts Degree – Mathematics Studies (SD MIRAMAR NATIVE GE PATTERN)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_First Year\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fall Term** | **Units** |  | **Spring Term** | **Units** |  | **Summer Term** | **Units** |
| MATH 104 | Trigonometry | 3.0 |  | MATH 141 | Pre-Calculus | 5.0 |  |  |  |  |
| MIRA GE  | Area A1-English Composition | 3.0 |  | MIRA GE | Area C-Humanities | 3.0 |  |  |  |  |
| MIRA GE | Area B-Natural Science | 3.0 |  | MIRA GE | Area 3-American Institutions | 3.0 |  |  |  |  |
| HEAL 101 | Health & Life-Style | 3.0 |  | MIRA GE | Area 5-Exercise Science | 1.0 |  |  |  |  |
| *Total Units* | 12.0 |  | *Total Units* | 12.0 |  | *Total Units* | 0.0 |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Second Year\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fall Term** | **Units** |  | **Spring Term** | **Units** |  | **Summer Term** | **Units** |
| MATH 150 | Calculus/Analytic Geometry I | 5.0 |  | MATH 151 | Calculus/Analytic Geometry II | 4.0 |  |  |  |  |
| MIRA GE | Area 3-American Institutions | 3.0 |  | MAJOR | Major Option\* | 3.0 |  |  |  |  |
| MIRA GE | Area 6-Multicultural Studies | 3.0 |  | MIRA GE | Area D-Social Behavioral Sciences | 3.0 |  |  |  |  |
| MIRA GE | Area 5-Exercise Science | 1.0 |  | ELECTIVE | Any Elective | 3.0 |  |  |  |  |
| *Total Units* | 12.0 |  | *Total Units* | 13.0 |  | *Total Units* | 0.0 |



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**Associate of Arts Degree – Mathematics Studies (SD MIRAMAR NATIVE GE PATTERN)**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Third Year\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Fall Term** | **Units** |  | **Spring Term** | **Units** |  | **Summer Term** | **Units** |
| MATH 252 | Calculus/Analytic Geometry III | 4.0 |  |  |  |  |  |  |  |  |
| MAJOR | Major Option\* | 3.0 |  |  |  |  |  |  |  |  |
| ELECTIVE | Any Elective | 3.0 |  |  |  |  |  |  |  |  |
| ELECTIVE | Any Elective | 3.0 |  |  |  |  |  |  |  |  |
| *Total Units* | 13.0 |  | *Total Units* | 0.0 |  | *Total Units* | 0.0 |

**Note:**

* This course sequence assumes Math and English milestone levels of level 50. Students with milestone levels lower than level 50 will need additional courses.
* This example uses the San Diego Miramar College Native General Education Pattern (MIRA GE).
* Courses marked with an asterisk (\*) are major options. Consult the college catalog and make an appointment with a counselor for assistance in selecting the most applicable courses for your specific educational goal.
* When preparing to transfer, it is important to maintain a strong, competitive grade point average. Therefore, it may be advisable to extend this plan over a longer time-period.
* All students are strongly advised to meet with a counselor to discuss the following:
	+ Degree components: units and GPA required, major coursework, general education patterns
	+ Applicability of challenge exams, units transferred in from other colleges, and advanced placement credit
	+ Transfer preparation
	+ How to alter this course sequence to best fit your specific learning needs and goals