



Advisement Plan / Mathematics
(2021/2022)

| Year | First Semester | | | | Second Semester | | | |
|------|---------------------------|---|-----------------|--------------|---------------------------|---|-----------------|--------------------|
| | Course No. | Course Name | Cr. | Prerequisite | Course No. | Course Name | Cr. | Prerequisite |
| 1 | 0216111 | Calculus (1) | 3 | --- | 0250102 | Calculus (2) | 3 | 0216111 |
| | 0216131 | General Physics (1) | 3 | --- | 0116103 | Communication Skills (Arabic Language) | 3 | 0114099 |
| | 0216141 | General Chemistry (1) | 3 | --- | 0216121 | Elementary Prob. And Statistics | 3 | --- |
| | 0116101 | National Education | 3 | --- | 0250241 | Linear Algebra (1) | 3 | 0216111 |
| | | University Elective | 3 | --- | | University Elective | 3 | |
| | Total Credit Hours | | 15 Hours | | Total Credit Hours | | 15 Hours | |
| 2 | 0250202 | Calculus (3) | 3 | 0250102 | 0250203 | Ordinary Differential Equations | 3 | 0250202 |
| | 0250251 | Set Theory | 3 | 0250102 | 0250232 | Probability Theory | 3 | 0250202 0216121 |
| | 0216151 | General Biology (1) | 3 | --- | 0250262 | Modern Euclidean Geometry (1) | 3 | 0250251 |
| | 0116107 | Communication Skills (English Language 1) | 3 | 0130099 | 0250302 | Calculus (4) | 3 | 0250202 |
| | | University Elective | 3 | | 0116108 | Communication Skills (English Language 2) | 3 | 0116107 |
| | | Faculty Elective | 3 | | 0116110 | Leadership and Innovation | 1 | --- |
| | Total Credit Hours | | 18 Hours | | Total Credit Hours | | 16 Hours | |
| 3 | 0250313 | Number Theory | 3 | 0250251 | 0250312 | Complex Analysis | 3 | 0250311 |
| | 0250311 | Real Analysis (1) | 3 | 0250251 | 0250342 | Abstract Algebra (1) | 3 | 0250251 |
| | 0250332 | Mathematical Statistics | 3 | 0250232 | 0250352 | Graph Theory and Combinatorics | 3 | 0250251 |
| | 0250341 | Linear Algebra (2) | 3 | 0250241 | 0250371 | Numerical Analysis | 3 | 0250203 |
| | 0250372 | Computer Aided Math | 3 | 0250203 | 0250381 | Problem Solving | 3 | 0250311 |
| | | Faculty Elective | 3 | | | Department Elective | 3 | |
| | Total Credit Hours | | 18 Hours | | Total Credit Hours | | 18 Hours | |
| 4 | 0250305 | Partial Differential Equations | 3 | 0250203 | 0250373 | Linear Programming | 3 | 0250241 |
| | 0250411 | Real Analysis (2) | 3 | 0250311 | 0250471 | Mathematical Modeling | 3 | 0250203 |
| | 0250442 | Abstract Algebra (2) | 3 | 0250342 | 0250481 | Teaching Methods Math | 3 | 0250262 |
| | 0250465 | Topology | 3 | 0250311 | 0250492 | Special Topics | 3 | 0250341 |
| | 0111102 | Military Science | 3 | --- | 0170101 | Life Skills | 1 | |
| | 0116102 | Leadership and Responsibility | 1 | --- | | Department Elective | 3 | --- |
| | 0116109 | Volunteer work in community service | 0 | --- | | | | |
| | Total Credit Hours | | 16 Hours | | Total Credit Hours | | 16 Hours | |