# Plan of Study (Teaching Mathematics)

| Year I | | |
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| Semester 1 (Fall) | | 15 Credits |
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| **Code** | **Course Title** | **Credit Hours** |
| ARAB 101 | Academic Writing in Arabic | 3 |
| CMPS 100B | Introduction to Technical Computing for the Sciences | 3 |
| EDUC 120 | Learning and Child Development | 3 |
| ENGL 101 | Basic Academic English | 3 |
| MATH 199 | Calculus I | 3 |

| Semester 2 (Spring) | | 16 Credits |
|---|---|---|
| **Code** | **Course Title** | **Credit Hours** |
| CHEM 130 | Chemical Principles I | 3 |
| CHEM 130L | Introductory Chemistry Laboratory | 1 |
| EDUC 150 | Introduction to Foundations of Education | 3 |
| ENGL 102A | English for Arts, Humanities & Social Science I | 3 |
| MATH 200 | Calculus II | 3 |
| PSYC 150 | Introduction to Psychology | 3 |

| Year II | | |
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| Semester 3 (Fall) | | 16 Credits |
|---|---|---|
| **Code** | **Course Title** | **Credit Hours** |
| ENGL 203A | English for Arts, Humanities & Social Science II | 3 |
| MATH 205 | Calculus III | 3 |
| MATH 210 | Differential Equations | 3 |
| PHYS 170 | Fundamentals of Physics I | 3 |
| PHYS 170L | Introductory Physics Laboratory | 1 |
| MATH 240 | Mathematics Computer Applications I | 3 |

| Semester 4 (Spring) | | 15 Credits |
|---|---|---|
| **Code** | **Course Title** | **Credit Hours** |
| ENGL 204 | Advanced English for Academic Purposes & Research | |
| MATH 250 | Probability and Statistics | 3 |
| EDUC 290 | Mathematics for Teacher | 3 |
| MATH 260 | Numerical Analysis I | 3 |
| SOCS 102 | Omani Society | 3 |

| Year III | | |
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| Semester 5 (Fall) | | 15 Credits |
|---|---|---|
| **Code** | **Course Title** | **Credit Hours** |
| EDUC 300 | Curriculum Development and Analysis | 3 |
| EDUC 303M | School Visits and Classroom Observation: Teaching Mathematics | |
| EDUC 320 | Instructional Methods and Strategies | 3 |
| MATH 220 | Liner Algebra I | 3 |
| Code | Mathematics Major Elective | 3 |

| Semester 6 (Spring) | | 15 Credits |
|---|---|---|
| **Code** | **Course Title** | **Credit Hours** |
| EDUC 360 | Educational System in Oman and GCC Countries | 3 |
| EDUC 365 | Information and Communication Technologies in Education | |
| ENTR 200 | Entrepreneurship: Innovation and Creativity | 3 |
| EDUC 350M | Methods of Teaching Mathematics I | 3 |
| Code | Mathematics Major Elective | 3 |

| Year IV | | |
|---|---|---|
| **Semester 7 (Fall)** | | **18 Credits** |
| **Code** | **Course Title** | **Credit Hours** |
| EDUC 420 | Introduction to Research Methodology in Education | 3 |
| ENGL 305 | Advanced English Language and Communication Skills | 3 |
| EDUC 440M | Assessment and Evaluation in Teaching Mathematics | 3 |
| EDUC 410M | Methods of Teaching Mathematics II | 3 |
| Code | Mathematics Major Elective | 3 |
| Code | Humanities & social Science Elective | 3 |
| **Semester 8 (Spring)** | | **12 Credits** |
| **Code** | **Course Title** | **Credit Hours** |
| EDUC 485M | Practicum in Teaching Mathematics | 6 |
| EDUC 490M | Senior Project: Teaching Mathematics | 3 |
| Code | Major Education Elective | 3 |
| **Completion of the B. Ed. In Education - Total Credits 122** | | |