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|------------|--------------------|--|---|---|--|---|---|---|---|---|--|--|--|--|--|--|--|-----|----|--|--|----|-----|
| 专业任 意选修 | MATH003 1132089 | Math Instructional Design | 2 | | | | | | | √ | | | | | | | | 36 | | | | 36 | |
| | MATH003 1132177 | 数学课程标准 解读与教材分 析 Interpretati on and analysis of the teaching material of Mathematics Curriculum | 2 | | | | | | | √ | | | | | | | | 36 | | | | 36 | |
| | MATH003 1132991 | 数学教育荣誉 课程 An Honorary Course on Mathematics Education | 2 | | | | | | | √ | | | | | | | | 36 | | | | 36 | |
| | MATH003 1132126 | 数学教育研究 与论文写作 Mathematics Education Research and Thesis Writing | 2 | | | | | | | √ | | | | | | | | 36 | | | | 36 | |
| | MATH003 1132191 | 教育实习专题 研讨 Topic study on teaching practice | 1 | | | | | | | √ | | | | | | | | 18 | | | | 18 | |
| | 选修学分 | | | 5 | | | | | | | | | | | | | | 320 | 22 | | | | 342 |
| | MATH003 1182010 | 集合论引论 Introduction to Set Theory | 2 | √ | | | | | | | | | | | | | | 36 | | | | 36 | |
| | MATH003 1132202 | C++语言程序 设计 C++ Programming | 3 | | | √ | | | | | | | | | | | | 36 | 36 | | | | 72 |
| | MATH003 1131050 | 数值分析 Numerical Analysis | 3 | | | | √ | | | | | | | | | | | 54 | 18 | | | | 72 |
| | MATH003 1131073 | 拓扑学 Topology | 3 | | | | √ | | | | | | | | | | | 54 | 18 | | | | 72 |
| | MATH003 1132066 | 生物数学 Biomathemati cs | 2 | | | | √ | | | | | | | | | | | 36 | | | | | 36 |
| | MATH003 1132205 | 数据结构 Data S tructure | 3 | | | | √ | | | | | | | | | | | 54 | | | | | 54 |
| | MATH003 1131016 | 微分几何 Differential Geometry | 3 | | | | | √ | | | | | | | | | | 54 | 18 | | | | 72 |
| | MATH003 1131806 | 最优化方法 Optimization Method | 3 | | | | | | √ | | | | | | | | | 54 | 18 | | | | 72 |
| | MATH003 1132172 | 信息安全 Information Security | 3 | | | | | | √ | | | | | | | | | 54 | | | | | 54 |
| | MATH003 1132180 | 图论及其应用 Graph Theory and Its Application | 3 | | | | | | √ | | | | | | | | | 54 | | | | | 54 |
| | MATH003 1132213 | 概率论与随机 过程 Probability Theory and Stochastic Process | 3 | | | | | | √ | | | | | | | | | 54 | | | | | 54 |

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|-------------|--------------------|--|---|----------|--|--|--|---|---|--|--|--|--|--|--|--|------|-----|-----|-----|------|------------|
| | MATH003 1131085 | 偏微分方程 Partial Differential Equations | 3 | | | | | √ | | | | | | | | | 54 | | | 54 | | |
| | MATH003 1132195 | 人工智能的数 学基础 Mathematical Foundation of ArtificialI Intelligence | 3 | | | | | √ | | | | | | | | | 36 | 18 | | | 54 | |
| | MATH003 1132214 | 多元统计与时 间序列分析 Multivariate Statistics and Time Series Analysis | 3 | | | | | √ | | | | | | | | | 54 | | | | 54 | |
| | 选修学分 | | 6 | | | | | | | | | | | | | | 684 | 126 | | | 810 | |
| | 学分要求 | | 12 | | | | | | | | | | | | | | 684 | 126 | | | 810 | |
| | 学分要求 | | 82 | | | | | | | | | | | | | | | 778 | | | ### | 56. 55% |
| 教师教育课程 | 教育理论类课程 | EDUC003 1131000 | 教育学 Pedagogy | 2 | | | | √ | | | | | | | | | 36 | | | | 36 | |
| | | PSYC003 1131040 | 心理学 Psychology | 2 | | | | √ | | | | | | | | | | 36 | | | | 36 |
| | | 学分要求 | | 4 | | | | | | | | | | | | | | 72 | | | | 72 |
| | 学科教学 | MATH003 1132194 | 数学教学原理 与方法 Principles and Methods of Mathematics Education | 2 | | | | | √ | | | | | | | | | 36 | | | | 36 |
| | | MATH003 1132058 | 解题原理与数 学竞赛 Problem Solving and Mathematics Competition | 2 | | | | | √ | | | | | | | | | 36 | | | | 36 |
| | | 学分要求 | | 4 | | | | | | | | | | | | | | 72 | | | | 72 |
| | 教育见习实习 | MATH003 1141802 | 教育见习 Teaching Practice | 1 | | | | | √ | | | | | | | | | 36 | | | | 36 |
| | | MATH003 1131900 | 教育实习 Internship | 6 | | | | | √ | | | | | | | | | | | 216 | | 216 |
| | | 学分要求 | | 7 | | | | | | | | | | | | | | | 36 | 216 | | |
| | 教育技能训练 | COMC003 1131000 | 信息化教学设 计与实践 Information Based Instructional Design and Practice | 1 | | | | | √ | | | | | | | | | 18 | 9 | | | 27 |
| | | MATH003 1141003 | 教学技能训练 Training of Educational Skills | 2 | | | | | √ | | | | | | | | | 36 | | | | 36 |
| | | 学分要求 | | 3 | | | | | | | | | | | | | | 54 | 9 | | | 63 |
| | 学分要求 | | 18 | | | | | | | | | | | | | | | | 45 | | | 459 |
| 全程总计 | | | 145 | | | | | | | | | | | | | | 2174 | 823 | 216 | | 3213 | |
| 备注 | | (1) 专业选修课中, 要求数学教育类不少于5学分, 数学专业类不少于6学分。(2) 可以修读数学与应用数学(非师范)专业课程, 抵充专业选修课学分。(3) 可以修读外院系专业必修课, 经学院认定后可以抵充专业选修课学分, 但不超过3学分。(4) 自费师范生需修读“拓扑学”, “数值分析”, “微分几何”, “最优化方法”, “偏微分方程”, “人工智能的数学基础”中至少2门才能参与推免。 | | | | | | | | | | | | | | | | | | | | |