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|  | Thurgood Marshall College Mathematics, Statistics, and Logic GE | |
| Students must complete two (2) courses. Both may come from the Mathematics/Advanced Statistics category. However, at most, one course may be selected from each of the other categories. | | |
| **Mathematics/Advanced Statistics** | | |
| BIEB 100 | Biostatistics | **Prerequisites:** BILD 3 and Math 10A or 20A and Math 10B or 20B. Students may not receive credit for both BIEB 100 and SIO 187 |
| MATH 180A or 181A | Introduction to Probability | **Prerequisites:** MATH 20C or MATH 31BH, or consent of the instructor |
| MATH 4C | Pre-Calculus for Science and Engineering Majors | **Prerequisites:** Math Placement Exam qualifying score, or MATH 3C with a grade of C- or better. |
| Math 10A | Calculus I | **Prerequisites:** Math Placement Exam qualifying score, or AP Calculus AB score of 2, or SAT II Math Level score of 600 or higher, or MATH 3C or MATH 4C |
| MATH 10B | Calculus II | **Prerequisites:** AP Calculus AB score of 3, 4, or 5 ( or equivalent subscore on BC exam) or MATH 10A or 20A |
| MATH 10C | Calculus III | **Prerequisites:** AP Calculus AB score of 3, 4, or 5 ( or equivalent subscore on BC exam) or MATH 10B or 20B |
| MATH 20A | Calculus for Science & Engineering | **Prerequisites:** Math Placement Exam qualifying score, AP Calculus AB score of 2 or 3 |
| MATH 20B | Calculus for Science & Engineering | **Prerequisites:** AP Calculus AB score of 4 or 5, AP Calculus BC score of 3, or MATH 20A with a grade of C- or better, MATH 10B with a grade of C- or better, or MATH 10C with a grade of C- or better. |
| MATH 20C | Calculus and Analytic Geometry for Science & Engineering | **Prerequisites:** AP Calculus BC score of 4 or 5, or MATH 20B with a grade of C- or better |
| **Introductory Statistics** | | |
| COGS 14 | Design and analysis of Experiments | **Prerequisite:** MATH 10A or Equivalent |
| POLI 30 | Political Inquiry |  |
| PSYC 60 | Introduction to Statistics | **Prerequisite:** One Year of mathematics or consent of the instructor |
| SOCL 60 | The Practice of Social Research |  |
| **Computer Programming & Logic** | | |
| CSE 5A | Introduction to Programming I | **Prerequisite:** A familiarity with high school algebra, but no assumption of prior knowledge |
| CSE 8A | Introduction to Computer Science: JAVA | **Co-requisite:** CSE 8AL |
| CSE 11 | Introduction to Computer Science and Object-oriented programming |  |
| ECE 85 | iTunes 101: A Survey of Information Technology |  |
| LIGN 17 | Making and Breaking Codes |  |
| MAE 5 | Quantitative Computer Skills |  |
| MAE 9 | C/C++ Programming |  |
| PHIL 10 | Introduction to Logic |  |
| PHIL 12 | Logic and Decision Making |  |