

Master of Science Biostatistics Curriculum



| Course Number | Course Title | Credits | Required or Elective | Semester Offered |
|--|--|--|----------------------|--------------------|
| MS Biostatistics Core Courses: 18 credit hours | | <i>ALL semester course offerings are subject to change</i> | | |
| BE 7024 | Computational Statistics | 3 | Required | Spring |
| BE 7088 | Regression Analysis | 3 | Required | Spring |
| BE 7089 | Experimental Design | 3 | Required | Fall |
| BE 8029 | Biostatistics Seminar (2 semesters) | 2 | Required | Fall/Spring |
| GNTD 7003 | Ethics in Research | 1 | Required | Spring |
| STAT 6021 | Mathematical Statistics I | 3 | Required | Fall |
| STAT 6022 | Mathematical Statistics II | 3 | Required | Spring |
| Biostatistics Credits: 3 credit hours Select one course from the list below | | | Required | |
| BE 7026 | General Linear Models | 3 | | Spring (varies) |
| BE 7090C | Applied Survival Analysis | 3 | | Fall 2019 |
| BE 7091 | Applied Multivariate Analysis | 3 | | Fall 2020 |
| Biomedical Credits: 3 credit hours Select a minimum of 3 credit hours from the list below | | | Required | |
| BE 7076 | Introduction to Epidemiology | 2 | | Fall/Spring |
| CB 8080 | Cancer Biology & Therapeutics | 4 | | Spring |
| GNTD 7001 | Molecular and Cellular Biology | 1-4 | | Fall |
| GNTD 8001C | Introduction to Functional Genomics | 3 | | Fall |
| MCP 6031C | Computational Systems Biology | 2 | | Spring |
| TOX 7082 | Survey of Toxicology | 2 | | Spring |
| Research Credits: 2 credit hours - Research Pre-Approval Form & Advisor Meeting Required for Permission to Enroll | | | | |
| ENV 7091 | Master's Thesis Research | 2 | Required | Fall/Spring/Summer |
| Free Electives: ≥ 4 credit hours - Select remaining credits from Course Catalog List (fill-in with advisor) | | | | |
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| Total Credits | | 30 | | |

- 3.0 GPA (B average) or higher required for graduation.
- All required courses must be completed with a B- or higher.
- "I" (Incomplete) or "NG" (Not Graded) grades must be removed from academic record prior to applying for graduation.
- Students must take a minimum of one graduate credit that contributes to degree requirements per academic year (fall-summer) to maintain active status.
- All requirements for the master's degree must be completed within five consecutive academic years of the date of matriculation into the program.
- Students are expected to meet with their advisor at least once a semester to discuss their academic progress.
- Electives must be determined with a consultation from your advisor.