

2021-2022 Four-Year Plan for the BS Stat: General Degree

| Freshman | | | Fall | | | Spring | | |
|-----------------|-----------------------------------|---|----------------------|--|---|---------------|-----------------------------------|---|
| MATH 143 | College Algebra | 3 | MATH 170 | Calculus I | 4 | MATH 144 | Analytic Trigonometry | 1 |
| Elective | Scientific Ways of Knowing Course | 4 | ENGL 102 | Writing and Rhetoric II | 3 | Elective | Scientific Ways of Knowing Course | 4 |
| ENGL 101 | Writing and Rhetoric I | 3 | Elective | Humanistic and Artistic Ways of Knowing Course | 3 | Elective | | |
| Elective | Oral Communication Course | 2 | Total Credits | | | 15 | | |
| Elective | Elective | 3 | | | | | | |

| Sophomore | | | Fall | | | Spring | | |
|------------------|--|---|----------------------|--|---|---------------|--|---|
| MATH 175 | Calculus II | 4 | STAT 301 | Probability and Statistics | 3 | MATH 330 | Linear Algebra | 3 |
| Elective | Elective | 3 | MATH 275 | Calculus III | 3 | Elective | Social and Behavioral Ways of Knowing Course | 3 |
| Elective | Elective | 3 | Elective | Humanistic and Artistic Ways of Knowing Course | 3 | Elective | Elective | 3 |
| Elective | Social and Behavioral Ways of Knowing Course | 3 | Total Credits | | | 16 | | |
| Elective | Humanistic and Artistic Ways of Knowing Course | 3 | | | | | | |

| Junior | | | Fall | | | Spring | | |
|---------------|---|---|----------------------|--------------------------------|---|---------------|---|---|
| STAT 422 | Survey Sampling Methods | 3 | STAT 407 | Experimental Design | 3 | STAT 436 | Applied Regression Modeling | 3 |
| STAT 431 | Statistical Analysis | 3 | Choice | CS 120 or STAT 426 or STAT 427 | 3 | Choice | CS 479, MATH 310, 428, 437, 438, 471, MIS 455, STAT 456, STAT 514, STAT 517, STAT 535 | 3 |
| Choice | CS 120 or STAT 426 or STAT 427 | 3 | Elective | American Diversity Course | 3 | Elective | International Course | 3 |
| Choice | CS 479, MATH 310, 428, 437, 438, 471, MIS 455, STAT 456, STAT 514, STAT 517, STAT 535 | 3 | Total Credits | | | 15 | | |
| Elective | American Diversity Course | 3 | | | | | | |

| Senior | | | Fall | | | Spring | | |
|---------------|---|---|----------------------|-------------------------|---|---------------|---|---|
| STAT 451 | Probability Theory | 3 | STAT 452 | Mathematical Statistics | 3 | Choice | CS 479, MATH 310, 428, 437, 438, 471, MIS 455, STAT 456, STAT 514, STAT 517, STAT 535 | 3 |
| Choice | CS 479, MATH 310, 428, 437, 438, 471, MIS 455, STAT 456, STAT 514, STAT 517, STAT 535 | 3 | Elective | Modeling Elective | 3 | Elective | Free Elective | 3 |
| Elective | Free Elective | 3 | Elective | Free Elective | 3 | Elective | Free Elective | 3 |
| Elective | Free Elective | 3 | Total Credits | | | 15 | | |
| Elective | Free Elective | 3 | | | | | | |