**Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Major(s)**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **Minor(s)**:\_\_\_\_\_\_\_\_\_\_\_\_

**Required Courses For All Mathematics and Applied Math & Statistics Majors**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| *course* | *credits* | *grade* | *course* | *credits* | *grade* | *course* | *credits* | *grad* | *KA(s)* |  | *course* | *points* |
| MA131 | 3 | \_\_\_\_\_\_ | CS141 | 4 | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | MA211 | 2 |
| MA132 | 3 | \_\_\_\_\_\_ | PH131 | 4 | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| MA200 | 3 | \_\_\_\_\_\_ | PH132 | 4 | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  |  \_\_\_\_\_ | \_\_\_\_\_ |
| MA211 | 3 | \_\_\_\_\_\_ | \*\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  |  \_\_\_\_\_ | \_\_\_\_\_ |
| MA231 | 3 | \_\_\_\_\_\_ |  \*3 credits in BY, CM, or PH | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  |  \_\_\_\_\_ | \_\_\_\_\_ |
| MA232 | 3 | \_\_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  |  \_\_\_\_\_ | \_\_\_\_\_ |
| MA339 | 3 | \_\_\_\_\_\_ | **Common Experience** | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  |  \_\_\_\_\_ | \_\_\_\_\_ |
| STAT383 | 3 | \_\_\_\_\_\_ | *course* | *credits* | *grade* |  Req: five courses covering 4 KAs |  | Req: 6pts, with 2 in |
| MA451/3 | \_\_\_\_\_ | \_\_\_\_\_\_ | FY100 | 1 | \_\_\_\_\_ |  (including one covering two Kas) |  | Major at 300+ level |
| MA499 | 0 | \_\_\_\_\_\_ | UNIV190 | 3 | \_\_\_\_\_ |  KAs: CGI, CSO, IA, STS, EC, IG |  | (list course again here) |

**MA/STAT Required Science Required Knowledge Area Courses Communication**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **MA Major (Math Option)** |  | **Ma Major (Stats Option)** |  | **AM&S Major** |
| *course* | *credits* | *grade* |  | *course* | *credits* | *grade* |  | *course* | *credits* | *grade* |
| MA321 | 3 | \_\_\_\_\_ |  | MA321 | 3 | \_\_\_\_\_ |  | MA363 | 3 | \_\_\_\_\_ |
| \*\_\_\_\_ | 3 | \_\_\_\_\_ |  | STAT381 | 3 | \_\_\_\_\_ |  | MA377 | 3 | \_\_\_\_\_ |
| \*\_\_\_\_ | 3 | \_\_\_\_\_ |  | STAT382 | 3 | \_\_\_\_\_ |  | \*\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | STAT384 | 3 | \_\_\_\_\_ |  | \*\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | STAT488 | 3 | \_\_\_\_\_ |  | \*\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \*two from: MA 311, 313, 314, 322 |  |  |  |  | \*three from: MA 331, 332,  |
|  |  |  |  |  |  STAT 381, 382,384 |
|  |  |  |  |  |  |

 **Additional Requirements By Major (including additional MA/STAT courses to total 44 credits in MA/STAT)**

|  |
| --- |
| **Free Electives (to total 120 credits—could need more if some courses do not count)** |
| *course* | *credits* | *grade* |  | *course* | *credits* | *grade* |  | *course* | *credit* | *grade* |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |
|  |  |  |  |  |  |  |  |  |  |  |

|  |
| --- |
| *Application Electives (AM&S required 5—list as free electives)* |
| BY314 | *ES330* |
| CE420 | ES340 |
| CE438 | ES400 |
| CH330 | ES405 |
| CH490 | ME442 |
| CM371 | ME443 |
| CM372 | OM331 |
| EC311 | PH221 |
| EC350\* | PH231 |
| EC384 | PH323 |
| EE264 | PH325 |
| EM333 | PH331 |
| ES220 | PH380 |
| ES222 | PH381 |
| ES223 | PH432 |
| ES250 | PH451 |
| ES260 |  |
| \*or EC150+EC200 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Total Credits: 120** |  | **MA/STAT Credits: 44** |  | **GPA** |  | **Not Counted****Toward Graduation** |
| *semester*  | *taken* | *needed* |  | *semester* | *taken* | *needed* |  | *semester* | *term* | *overall* |  | *course*  | *credits*  |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ |  | \_\_\_\_\_ | \_\_\_\_\_ |
| Total: | 0 | 120 |  | Total: | 0 | 44 |  |  |  |  |  |  |  |