3.4.2.7 Second Major in Statistics

Host Department: Statistics

To be awarded a B.Sc. with a second major in Statistics, candidates must satisfy the following:
<table>
<thead>
<tr>
<th>MODULE LEVEL</th>
<th>SECOND MAJOR REQUIREMENTS</th>
<th>CUMULATIVE MAJOR MCS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level-1000</td>
<td>Pass</td>
<td>14 – 16</td>
</tr>
<tr>
<td>(14 – 16 MCs)</td>
<td>ST1131 Introduction to Statistics or ST1232 Statistics for Life Sciences or MA1101R Linear Algebra I or MA1508E Linear Algebra for Engineering or MA1513 Linear Algebra with Differential Equations (2 MCs) ^ MA1102R Calculus or MA1505 Mathematics I or MA1507 Advanced Calculus or MA1511 Engineering Calculus (2 MCs) and MA1512 Differential Equations for Engineering (2 MCs) or MA1521 Calculus for Computing CS1010 Programming Methodology or CS1010E Programming Methodology or CS1010J Programming Methodology or CS1010S Programming Methodology or CS1010X Programming Methodology or IT1007 Introduction to Programming with Python and C</td>
<td></td>
</tr>
<tr>
<td>MODULE LEVEL</td>
<td>SECOND MAJOR REQUIREMENTS</td>
<td>CUMULATIVE MAJOR MCS</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------------------</td>
<td>---------------------</td>
</tr>
</tbody>
</table>
| Level-2000 (16 – 17 MCs) | Pass  
ST2131/MA2216  
ST2132  
ST2137  
MA2311  
or  
MA2104  
or  
MA2108  
or  
MA2108S Mathematical Analysis I (S) | 30 – 33 |
| Level-3000 & Level-4000 (16 – 20 MCs) | Pass  
ST3131 Regression Analysis*  
- Three other modules from ST32xx (except ST328x) or ST4xxx modules  
- One additional module from ST32xx (except ST328x) or ST4xxx modules ^ | 48 – 51 |

* Students who have passed EC3303 Econometrics I need not read ST3131. They are allowed to read and pass an additional module from ST32xx (except ST328x) or ST4xxx modules in lieu of ST3131. However, where a module from ST32xx or ST4xxx modules requires ST3131 as pre-requisite, the pre-requisite may not be fulfilled by EC3303.

^ Applicable only to students who use MA1513 Linear Algebra with Differential Equations (2 MCs) to fulfil the second major requirements.

This second major is not offered with a primary major in Statistics, Data Science and Analytics, and minor in Statistics.