

**UNIVERSITY DELL REQUIREMENTS (42 Credits)****Core (12 Credits)**

COMM 101	Oral Argumentation & Advocacy	_____	_____
ENGL 123W	College Writing Workshop	_____	_____

**Integrative Seminars**

DELL 100-level	First-Year Seminar	_____	_____
DELL 400-level	Senior-Year Seminar	_____	_____

**Artistic & Creative Thinking\* (3 Credits)**

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**Ethics or Civic Engagement\* (3 Credits)**

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**Historical Interpretation\* (3 Credits)**

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**Language & Intercultural Competence\*\* (6 Credits)**

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**Literary Analysis\* (3 Credits)**

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**Living Well\* (2 Credits)**

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**Quantitative Reasoning\* (3 Credits)**

STAT 222	Introductory Statistics	_____	_____
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**Scientific Literacy\* (4 Credits)**

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**Social Science Literacy\* (3 Credits)**

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**GENERAL ELECTIVES\*\*\* (33-36 Credits)**

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**MAJOR REQUIREMENTS (39 Credits)****Statistics Core (24 Credits)**

CS 131	Fundamentals of Programming	_____	_____
MATH 103	Calculus I	_____	_____

MATH 104	Calculus II	_____	_____
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MATH 311	Probability Theory	_____	_____
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STAT 222	Introductory Statistics	_____	_____
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STAT 305	Data Handling for Statistics	_____	_____
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STAT 333	Mathematical Statistics	_____	_____
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STAT 400W	Statistical Methods	_____	_____
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**Statistics Core<sup>a</sup> (6 Credits)**

Two from the following:

STAT 300	Applied Data Analysis	_____	_____
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STAT 302	Introduction to Statistical Inference	_____	_____
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STAT 325	Applied Regression Analysis	_____	_____
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**Internship or Research<sup>b</sup> (3 Credits)**

One from the following:

STAT 399	Internship in Statistics	_____	_____
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STAT 451W	Senior Project	_____	_____
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**Additional Major Electives<sup>c</sup> (6 Credits)**

_____	_____	_____	_____
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**NOTES**

\*Refer to the class schedule for lists of courses that satisfy University requirements.

\*\*Must take two sequential courses.

\*\*\*Courses that do not satisfy a major or DELL requirement. Can include coursework for a minor.

<sup>a</sup>Choose two courses from the list provided.

<sup>b</sup>Choose one course from the list provided.

<sup>c</sup>Choose 6 credits from Other CS courses (any level) or other MATH courses 200 level and above or STAT courses 300 level and above.

**Total credits required for graduation: 124 Credits**

For graduation with Honors, see Undergraduate Catalog

## Statistics & Data Science Major (Bachelor of Science)

### Sample Four-Year Plan

While not all students will take all the courses in the same sequence, the guide below can be used in combination with the online graduation progress report as a pathway to degree completion. See the Academic Regulations in the University of Lynchburg Undergraduate Catalog for all academic degree requirements. Students should consult their major advisor for more specific guidance.

Semester 1	Credits
MATH 103	3
Quantitative Reasoning (STAT 222)	3
College Success Strategies (G S 104)	1
ENGL 123W	3
First-Year Seminar	3
Language & Intercultural Competence I	3
<b>Semester Credits:</b>	<b>16</b>

Semester 2	Credits
MATH 104	3
STAT 305	3
COMM 101	3
Language & Intercultural Competence II	3
Elective	3
<b>Semester Credits:</b>	<b>15</b>

Semester 3	Credits
MATH 311	3
Statistics Core	3
Historical Interpretation	3
Scientific Literacy	4
Artistic & Creative Thinking	3
<b>Semester Credits:</b>	<b>16</b>

Semester 4	Credits
STAT 333	3
Statistics Core	3
Literary Analysis	3
Living Well	2
Elective	3
Elective	3
<b>Semester Credits:</b>	<b>17</b>

Semester 5	Credits
Major Elective	3
Ethics or Civic Engagement	3
Elective	3
Elective	3
Elective	3
<b>Semester Credits:</b>	<b>15</b>

Semester 6	Credits
CS 131	3
Major Elective	3
Social Scientific Literacy	3
Elective	3
Elective	3
<b>Semester Credits:</b>	<b>15</b>

Semester 7	Credits
STAT 451W	3
Elective	3
Elective	3
Elective	3
Elective	3
<b>Semester Credits:</b>	<b>15</b>

Semester 8	Credits
STAT 400W	3
Senior-Year Seminar	3
Elective	3
Elective	3
Elective	3
<b>Semester Credits:</b>	<b>15</b>

**Minimum Credits Required to Graduate: 124**