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| Major/Program | Computer Information Systems (Software Development) |
| College | Science and Mathematics |
| Department | Mathematics and Computing |
| Contact | Dr. Dave Slimmer, Dean |
| 2022-2023 | |

Lander University

4-Year Major Guide

Odd Fall Year Entry

can be moved to any semester

| | | First Semester | Second Semester | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|----------------------|------------|-------|---------|--|---|----------|---|---|-----------------------------|---|----------|--------------------------------|---|----------|--------------------------|---|----------|-----------------|--|-----------|---|--------|-------|-------|---------|--|---|---------|--|---|---|--|---|--------------------------|---|----------|--------------------------|--|----------|-----------------|--|-----------|-----------------|--|-----------|---------------|
| First Year | | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Course</th> <th>Notes</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>CIS 130</td> <td></td> <td style="text-align: center;">4</td> </tr> <tr> <td>CIS 102</td> <td>or successful completion of CIS 102 exemption exam; or CIS 202, see advisor</td> <td style="text-align: center;">3</td> </tr> <tr> <td>ENGL 101</td> <td>Core Academic Skills (General Education)</td> <td style="text-align: center;">3</td> </tr> <tr> <td>MATH 121, MATH 123 or MATH 141</td> <td>Core Academic Skills (General Education)</td> <td style="text-align: center;">3</td> </tr> <tr> <td>LINK 101</td> <td>Core Academic Skills (General Education)</td> <td style="text-align: center;">1</td> </tr> <tr> <td colspan="2" style="text-align: right;">Subtotal</td> <td style="text-align: center;">14</td> </tr> </tbody> </table> | Course | Notes | Hours | CIS 130 | | 4 | CIS 102 | or successful completion of CIS 102 exemption exam; or CIS 202, see advisor | 3 | ENGL 101 | Core Academic Skills (General Education) | 3 | MATH 121, MATH 123 or MATH 141 | Core Academic Skills (General Education) | 3 | LINK 101 | Core Academic Skills (General Education) | 1 | Subtotal | | 14 | <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Course</th> <th>Notes</th> <th>Hours</th> </tr> </thead> <tbody> <tr> <td>CIS 240</td> <td></td> <td style="text-align: center;">3</td> </tr> <tr> <td>CIS 230</td> <td></td> <td style="text-align: center;">4</td> </tr> <tr> <td>ENGL 102</td> <td>Core Academic Skills (General Education)</td> <td style="text-align: center;">3</td> </tr> <tr style="background-color: yellow;"> <td>General Education</td> <td>Humanities and Fine Arts</td> <td style="text-align: center;">3</td> </tr> <tr> <td>*MATH 125 or MATH 325</td> <td></td> <td style="text-align: center;">3</td> </tr> <tr> <td colspan="2" style="text-align: right;">Subtotal</td> <td style="text-align: center;">16</td> </tr> </tbody> </table> | Course | Notes | Hours | CIS 240 | | 3 | CIS 230 | | 4 | ENGL 102 | Core Academic Skills (General Education) | 3 | General Education | Humanities and Fine Arts | 3 | *MATH 125 or MATH 325 | | 3 | Subtotal | | 16 | TOTALS | | | |
| | Course | Notes | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CIS 130 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CIS 102 | or successful completion of CIS 102 exemption exam; or CIS 202, see advisor | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | ENGL 101 | Core Academic Skills (General Education) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MATH 121, MATH 123 or MATH 141 | Core Academic Skills (General Education) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LINK 101 | Core Academic Skills (General Education) | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course | Notes | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 240 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 230 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| ENGL 102 | Core Academic Skills (General Education) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| General Education | Humanities and Fine Arts | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *MATH 125 or MATH 325 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Yearly Totals | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Course | Notes | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CIS 231 | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CIS 250 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | HIST 111 or POLS 101 | Founding Documents (General Education) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | General Education | World Cultures (General Education) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *MATH 211 or MATH 311 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course | Notes | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 234 | | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 240 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MATH 200, MATH 242, MATH 300, OR MATH 308 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| *MATH 212 or MATH 142 | Scientific and Mathematical Reasoning (General Education) | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PHYS 203 | Scientific and Mathematical Reasoning (General Education) | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Yearly Totals | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Course | Notes | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CIS 335 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CIS 320 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 330 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Subtotal | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Yearly Totals | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | Course | Notes | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | CIS 321 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| General Education | Humanities and Fine Arts | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Course | Notes | Hours | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 360 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 498 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CIS 499 | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Elective | | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FALS 101 | Core Academic Skills (General Education) | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Subtotal | | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | Yearly Totals | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Hours Required: | | | | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

*Select appropriate course according to the minor chosen. Approved minors are listed in the catalog.