



Year 1

Fall Term

| Course Number              | Course Title   | Lecture    | Lab       | Patient Care | Seminar/Online | Credits      | Grade Type       |
|----------------------------|--|------------|-----------|--------------|----------------|--------------|------------------|
| BSD10300-od<br>BSD90300-ms | Cell Biology, Histology, and Ocular Anatomy          | 52         | 4         | 0            | 0              | 3.50         | letter           |
| BSD10320                   | Anatomy and Physiology I                             | 50         | 16        | 0            | 0              | 3.75         | letter           |
| ELC66001-od<br>GRS97001-ms | Laboratory Research Survey                           | 0          | 0         | 0            | 20             | 1.25         | pass/fail        |
| PC12021                    | Principles and Practice of Optometry I               | 42         | 22        | 0            | 0              | 3.50         | letter           |
| PC12041                    | Clinical Reasoning Ia (Not applicable if MS student) | 10         | 0         | 0            | 0              | 0.75         | letter in Spring |
| PC12125                    | Patient Care Ia                                      | 0          | 0         | 20           | 0              | 0.75         | pass/fail        |
| PC12401                    | Vision Health Care Ia                                | 10         | 0         | 0            | 0              | 0.75         | letter           |
| VS11001-od<br>VS91001-ms   | Optics I   | 54         | 12        | 0            | 0              | 4.00         | letter           |
| VS11221-od<br>VS91221-ms   | Visual Sensation and Perception                      | 51         | 6         | 0            | 0              | 3.50         | letter           |
| <b>Totals</b>              |  | <b>269</b> | <b>60</b> | <b>20</b>    | <b>20</b>      | <b>21.75</b> |                  |

Spring Term

| Course Number | Course Title   | Lecture       | Lab         | Patient Care | Seminar/Online | Credits      | Grade Type |
|---------------|--|---------------|-------------|--------------|----------------|--------------|------------|
| BSD10009      | Neuroanatomy   | 40            | 0           | 0            | 0              | 2.75         | letter     |
| BSD10321      | Anatomy and Physiology II                            | 35            | 6           | 0            | 0              | 2.50         | letter     |
| BSD10721      | Ocular Disease Principles I                          | 30            | 2.5         | 0            | 0              | 2.00         | letter     |
| GRS97040      | Laboratory Research I                                | arranged with |             |              |                | 2.00         | pass/fail  |
| PC12022       | Principles and Practice of Optometry II              | 52            | 32          | 0            | 0              | 4.50         | letter     |
| PC12042       | Clinical Reasoning Ib (Not applicable if MS student) | 0             | 0           | 0            | 18             | 1.25         | letter     |
| PC12126       | Patient Care Ib                                      | 0             | 0           | 20           | 0              | 0.75         | pass/fail  |
| PC12402       | Vision Health Care Ib                                | 0             | 0           | 0            | 10             | 0.75         | pass/fail  |
| VS11002       | Optics II  | 51            | 32          | 0            | 0              | 4.50         | letter     |
| VS11210       | Color Vision   | 20            | 2           | 0            | 0              | 1.25         | letter     |
| <b>Totals</b> |  | <b>228</b>    | <b>74.5</b> | <b>20</b>    | <b>28</b>      | <b>22.25</b> |            |



**Year 2**

**Summer Term**

| Course Number | Course Title                             | Lecture   | Lab       | Patient Care | Seminar/Online | Credits     | Grade Type |
|---------------|--|-----------|-----------|--------------|----------------|-------------|------------|
| BSD10340      | Ocular Biochemistry and Genetics         | 25        | 0         | 0            | 0              | 1.75        | letter     |
| PC22023       | Principles and Practice of Optometry III | 14        | 14        | 14           | 0              | 1.75        | letter     |
| VS21003       | Optics III                               | 40        | 10        | 0            | 0              | 3.00        | letter     |
| <b>Totals</b> |  | <b>79</b> | <b>24</b> | <b>14</b>    | <b>0</b>       | <b>6.50</b> |            |

**Fall Term**

| Course Number | Course Title                            | Lecture               | Lab       | Patient Care | Seminar/Online | Credits      | Grade Type |
|---------------|---|-----------------------|-----------|--------------|----------------|--------------|------------|
| BSD20401      | Immunology                              | 30                    | 0         | 0            | 0              | 2.00         | letter     |
| BSD20722      | Ocular Disease Principles II            | 74                    | 35        | 0            | 0              | 6.00         | letter     |
| BSD20805      | General Pharmacology                    | 30                    | 0         | 0            | 0              | 2.00         | letter     |
| BSD20811      | Ocular Pharmacology I                   | 14.75                 | 0         | 0            | 0              | 1.00         | letter     |
| GRS97003      | Biostatistics and Experimental Design I | 33                    | 0         | 0            | 0              | 2.25         | letter     |
| GRS97010      | Research Colloquia                      | 8                     | 0         | 0            | 0              | 0.50         | pass/fail  |
| GRS97020      | Graduate Research Seminar I             | 0                     | 0         | 0            | 24             | 1.50         | letter     |
| GRS97030      | Thesis Proposal Development             | arranged with advisor |           |              |                | 1.00         | pass/fail  |
| PC22125       | Patient Care IIa                        | 0                     | 0         | 50           | 0              | 1.75         | pass/fail  |
| SAC23002      | Contact Lenses I                        | 20                    | 18        | 0            | 0              | 2.00         | letter     |
| VS21203       | Binocular Vision and Ocular Motility    | 65                    | 8         | 0            | 0              | 4.50         | letter     |
| <b>Totals</b> |   | <b>274.75</b>         | <b>61</b> | <b>50</b>    | <b>24</b>      | <b>24.50</b> |            |

**Spring Term**

| Course Number | Course Title                          | Lecture               | Lab         | Patient Care | Seminar/Online | Credits      | Grade Type |
|---------------|---------------------------------------|-----------------------|-------------|--------------|----------------|--------------|------------|
| BSD20723      | Ocular Disease Principles III         | 34                    | 12.5        | 0            | 0              | 2.75         | letter     |
| BSD20812      | Ocular Pharmacology II                | 15                    | 0           | 0            | 0              | 1.00         | letter     |
| BSD30901      | Clinical Medicine                     | 0                     | 0           | 0            | 60             | 4.00         | letter     |
| GRS97011      | Research Colloquia                    | 8                     | 0           | 0            | 0              | 0.50         | pass/fail  |
| GRS97021      | Graduate Research Seminar II          | 0                     | 0           | 0            | 24             | 1.50         | letter     |
| GRS97031      | Thesis Proposal                       | arranged with advisor |             |              |                | 1.50         | pass/fail  |
| GRS97041      | Laboratory Research II                | arranged with advisor |             |              |                | 2.00         | pass/fail  |
| PC22126       | Patient Care IIb                      | 0                     | 0           | 60           | 0              | 2.00         | pass/fail  |
| SAC23003      | Contact Lenses II                     | 30                    | 21          | 0            | 0              | 2.75         | letter     |
| SAC33405      | Binocular and Accommodative Anomalies | 51                    | 14          | 0            | 0              | 3.75         | letter     |
| VS21207       | Neural Basis of Vision                | 49                    | 0           | 0            | 0              | 3.25         | letter     |
| <b>Totals</b> |                                       | <b>187</b>            | <b>47.5</b> | <b>60</b>    | <b>84</b>      | <b>25.00</b> |            |

# OD/MS Dual Degree Program Curriculum



## Year 3

### Summer Term

| Course Number | Course Title                     | Lecture   | Lab      | Patient Care | Seminar/Online | Credits     | Grade Type |
|---------------|----------------------------------|-----------|----------|--------------|----------------|-------------|------------|
| PC32002       | Advanced Diagnostic Techniques I | 0         | 6        | 0            | 0              | 0.25        | pass/fail  |
| PC32125       | Patient Care IIIa                | 0         | 0        | 120          | 0              | 4.00        | pass/fail  |
| PC32505       | Clinical Ocular Imaging Topics   | 20        | 0        | 0            | 0              | 1.25        | letter     |
| <b>Totals</b> |                                  | <b>20</b> | <b>6</b> | <b>120</b>   | <b>0</b>       | <b>5.50</b> |            |

### Fall Term

| Course Number | Course Title  | Lecture               | Lab       | Patient Care | Seminar/Online | Credits      | Grade Type |
|---------------|---|-----------------------|-----------|--------------|----------------|--------------|------------|
| BSD30701      | Advanced Ocular Disease I                           | 44                    | 0         | 0            | 0              | 3.00         | letter     |
| BSD30711      | Special Topics I: Ocul. Dis. and Adv. Clinical Care | 20                    | 0         | 0            | 0              | 1.25         | pass/fail  |
| GRS97004      | Biostatistics and Experimental Design II            | 10                    | 5         | 0            | 0              | 0.75         | letter     |
| GRS97012      | Research Colloquia                                  | 8                     | 0         | 0            | 0              | 0.50         | pass/fail  |
| GRS97020      | Graduate Research Seminar I                         | 0                     | 0         | 0            | 24             | 1.50         | letter     |
| GRS97042      | Laboratory Research III                             | arranged with advisor |           |              |                | 2.00         | pass/fail  |
| PC22701       | Ophthalmic Business and Management Policy I         | 16                    | 0         | 0            | 0              | 1.00         | letter     |
| PC32126       | Patient Care IIIb                                   | 0                     | 0         | 100          | 0              | 3.25         | pass/fail  |
| SAC33203      | Low Vision Rehab Throughout the Life Span           | 42                    | 8         | 0            | 0              | 3.00         | letter     |
| SAC33402      | Development, Strabismus and Amblyopia               | 62                    | 6         | 0            | 0              | 4.25         | letter     |
| <b>Totals</b> |   | <b>202</b>            | <b>19</b> | <b>100</b>   | <b>24</b>      | <b>20.50</b> |            |

### Spring Term

| Course Number | Course Title                                      | Lecture               | Lab        | Patient Care | Seminar/Online | Credits      | Grade Type |
|---------------|---|-----------------------|------------|--------------|----------------|--------------|------------|
| BSD30702      | Advanced Ocular Disease II                        | 56                    | 0          | 0            | 0              | 3.75         | letter     |
| BSD30710      | Special Topics: Ocul. Dis. and Adv. Clinical Care | 20                    | 0          | 0            | 0              | 1.25         | pass/fail  |
| GRS97013      | Research Colloquia                                | 8                     | 0          | 0            | 0              | 0.50         | pass/fail  |
| GRS97021      | Graduate Research Seminar II                      | 0                     | 0          | 0            | 24             | 1.50         | letter     |
| GRS97043      | Laboratory Research IV                            | arranged with advisor |            |              |                | 2.00         | pass/fail  |
| PC32003       | Advanced Diagnostic Techniques II                 | 0                     | 8.5        | 0            | 0              | 0.25         | pass/fail  |
| PC32127       | Patient Care IIIc                                 | 0                     | 0          | 140          | 0              | 4.75         | pass/fail  |
| PC32702       | Ophthalmic Business and Management Policy II      | 25                    | 0          | 0            | 0              | 1.75         | letter     |
| SAC33605      | Pediatric Optometry                               | 36                    | 0          | 0            | 8              | 2.75         | letter     |
| VS31006       | Solving Complex Refractive Issues                 | 20                    | 0          | 0            | 0              | 1.25         | pass/fail  |
| <b>Totals</b> |   | <b>165</b>            | <b>8.5</b> | <b>140</b>   | <b>32</b>      | <b>19.75</b> |            |



**Year 4**

**Fall Term: course taken while students in clinical rotations**

| Course Number | Course Title         | Lecture | Lab | Patient Care          | Seminar/ Online | Credits     | Grade Type |
|---------------|----------------------|---------|-----|-----------------------|-----------------|-------------|------------|
| GRS97050      | Thesis Preparation I |         |     | arranged with advisor |                 | 1.00        | pass/fail  |
| <b>Totals</b> |                      |         |     |                       |                 | <b>1.00</b> |            |

**Spring Term: course taken while students in clinical rotations**

| Course Number | Course Title          | Lecture | Lab | Patient Care          | Seminar/ Online | Credits     | Grade Type |
|---------------|-----------------------|---------|-----|-----------------------|-----------------|-------------|------------|
| GRS97051      | Thesis Preparation II |         |     | arranged with advisor |                 | 1.00        | pass/fail  |
| <b>Totals</b> |                       |         |     |                       |                 | <b>1.00</b> |            |

**Final-year Clinical Rotations**

| Course Number | Course Title                                  | Patient Care   | Credits | Grade Type |
|---------------|---|----------------|---------|------------|
| ECP4916       | Primary Care Rotation (offered Summer Term)   | Minimum of 400 | 13.25   | pass/fail  |
| ECP4917       | Primary Care Rotation (offered Fall Term)     | Minimum of 400 | 13.25   | pass/fail  |
| ECP4918       | Primary Care Rotation (offered Winter Term)   | Minimum of 400 | 13.25   | pass/fail  |
| ECP4919       | Primary Care Rotation (offered Spring Term)   | Minimum of 400 | 13.25   | pass/fail  |
| ECP4921       | Advanced Care Rotation (offered Summer Term)  | Minimum of 400 | 13.25   | pass/fail  |
| ECP4922       | Advanced Care Rotation (offered Fall Term)    | Minimum of 400 | 13.25   | pass/fail  |
| ECP4923       | Advanced Care Rotation (offered Winter Term)  | Minimum of 400 | 13.25   | pass/fail  |
| ECP4924       | Advanced Care Rotation (offered Spring Term)  | Minimum of 400 | 13.25   | pass/fail  |
| ACC4961       | Specialty Care Rotation (offered Summer Term) | Minimum of 400 | 13.25   | pass/fail  |
| ACC4962       | Specialty Care Rotation (offered Fall Term)   | Minimum of 400 | 13.25   | pass/fail  |
| ACC4963       | Specialty Care Rotation (offered Winter Term) | Minimum of 400 | 13.25   | pass/fail  |
| ACC4964       | Specialty Care Rotation (offered Spring Term) | Minimum of 400 | 13.25   | pass/fail  |

Each student completes 53 credit hours during the final year. Contact Lenses Clinical Care is included in the rotations.