

Appendix I

Program Description: Optometry and Vision Sciences

This program requires 121 semester hours and can be finished in 4 years. The type of courses and the names of specific courses are listed below, followed by a recommended sequence of course and timing for completion of the degree.

Core Liberal Art Courses – 42 Credits

| Course Code | Course Name | Credit Number |
|-------------|-----------------------------------|---------------|
| UNI 101 | First-Year University Experience | 3 |
| ENL 101 | Expository Writing | 3 |
| ENL 201 | Academic Writing | 3 |
| ENL 210 | Public Speaking | 3 |
| PHY 100 | Conceptual Physics | 3 |
| BIO 101 | Introductory Biology | 3 |
| CSC 101 | Introduction to Computer Science | 3 |
| MAT 101 | College Algebra | 3 |
| PHI 101 | Introduction to Ethics | 3 |
| FIN 101 | Finance for Non-Business Students | 3 |
| CLA | CLA | 3 |
| CLA | CLA | 3 |
| CLA | CLA | 3 |
| CLA | CLA | 3 |

College Requirements – 9 Credits

| Course Code | Course Name | Credit Number |
|-------------|--|---------------|
| HCT 101 | Fundamentals of Healthcare Professions | 3 |
| HCT 4XX | Technical Elective | 3 |
| HCT 4XX | Technical Elective | 3 |

Core Requirements – 70 Credits

| Course Code | Course Name | Credit Number |
|-------------|--|---------------|
| OVS 101 | Ocular Anatomy | 4 |
| OVS 110 | Introduction to Physical Optics | 3 |
| OVS 115 | Clinical Optometry and Refraction I | 2 |
| OVS 115L | Clinical Optometry and Refraction Laboratory I | 1 |
| OVS 210 | Geometrical and Spectacles Optics | 3 |

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|----------|---|---|
| OVS 210L | Geometrical and Spectacles Optics Laboratory | 1 |
| OVS 211 | Ocular Physiology | 3 |
| OVS 215 | Clinical Optometry and Refraction II | 3 |
| OVS 215L | Clinical Optometry and Refraction II Laboratory | 1 |
| OVS 220 | Introduction to Soft Contact Lenses | 3 |
| OVS 220L | Introduction to Soft Contact Lenses Laboratory | 1 |
| OVS 251 | Ocular Disease and Pathophysiology I | 3 |
| OVS 255 | Visual perception and Color | 2 |
| OVS 261 | Ocular Disease and Pathophysiology II | 3 |
| OVS 277L | Clinical Optometry and Optical Devices in Optometry I Laboratory | 1 |
| OVS 277 | Clinical Optometry and Optical Devices in Optometry | 3 |
| OVS 280 | Neuroanatomy and Neuro-ophthalmology | 3 |
| OVS 310 | Ocular Disease and pathophysiology III | 3 |
| OVS 312 | Introduction to Ocular Pharmacology | 3 |
| OVS 315L | Clinical Optometry and Optical Devices in Optometry II Laboratory | 1 |
| OVS 330L | Dispensing and Edging Laboratory | 2 |
| OVS 340 | Low Vision | 2 |
| OVS 380 | Special and Rigid Contact Lenses | 3 |
| OVS 380L | Special and Rigid Contact Lenses Laboratory | 1 |
| OVS 385 | Glaucoma | 2 |
| OVS 388 | Clinical Decision Making in Optometry | 2 |
| OVS 390 | Practicum I | 2 |
| OVS 470 | Pediatric Optometry, Binocular Vision and Strabismus | 3 |
| OVS 495 | Practicum II | 3 |
| OVS 499 | Practicum III | 3 |
| HCT 210 | Basic Life Support | 0 |

Recommended course sequences.

YEAR I – Pre-Courses (31 Credit Hours)

Spring Pre-1 Semester:

| | | |
|-------------------|--|---|
| UNI 101 | First-Year University Experience | 3 |
| MAT 101 | College Algebra | 3 |
| BIO 101 | Introductory Biology | 3 |
| PHY 100 | Conceptual Physics | 3 |
| HCT 101 | Fundamentals of Healthcare Professions | 3 |
| Total: 15 Credits | | |

Fall Pre-1 Semester:

| | | |
|-------------------|--|---|
| CSC 101 | Introduction to Computer Science | 3 |
| OVS 101 | Ocular Anatomy | 4 |
| OVS 110 | Introduction to Physical Optics | 3 |
| OVS 115 | Clinical Optometry and Refraction I | 2 |
| OVS 115L | Clinical Optometry and Refraction I Laboratory | 1 |
| OVS 211 | Ocular Physiology | 3 |
| Total: 16 Credits | | |

YEAR II – Pre-Courses (29 Credit Hours)

Spring– Pre2 Semester:

| | | |
|------------------|---|---|
| ENL 101 | Expository Writing | 3 |
| OVS 210 | Geometrical and Spectacles Optics | 3 |
| OVS 210L | Geometrical and Spectacles Optics Laboratory | 1 |
| OVS 215 | Clinical Optometry and Refraction II | 3 |
| OVS 215L | Clinical Optometry and Refraction II Laboratory | 1 |
| OVS 251 | Ocular disease and Pathophysiology I | 3 |
| Total: 14Credits | | |

Fall Pre-2 Semester:

| | | |
|-------------------|--|---|
| ENL 201 | Academic Writing | 3 |
| OVS 255 | Visual perception and Color | 2 |
| OVS 261 | Ocular Disease and Pathophysiology II | 3 |
| OVS 277L | Clinical Optometry and Optical Devices in Optometry I Laboratory | 1 |
| OVS 280 | Neuroanatomy and Neuro-Ophthalmology | 3 |
| OVS 277 | Clinical Optometry and Optical Devices in Optometry | 3 |
| Total: 15 Credits | | |

YEAR III – Junior Courses (32 Credit Hours)

Spring P1- Semester:

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|----------|---|---|
| PHI 101 | Introduction to Ethics | 3 |
| OVS 220 | Introduction to Soft Contact Lenses | 3 |
| OVS 220L | Introduction to Soft Contact Lenses Laboratory | 1 |
| OVS 310 | Ocular Disease and Pathophysiology III | 3 |
| OVS 312 | Introduction to Ocular Pharmacology | 3 |
| OVS 315L | Clinical optometry and Optical Devices in Optometry II Laboratory | 1 |

Total: 14 Credits

Fall P1- Semester:

| | | |
|----------|---|---|
| ENL 210 | Public Speaking | 3 |
| OVS 330L | Dispensing and Edging Laboratory | 2 |
| OVS 340 | Low Vision | 2 |
| OVS 380 | Special and Rigid Contact Lenses | 3 |
| OVS 380L | Special and Rigid Contact Lenses Laboratory | 1 |
| OVS 385 | Glaucoma | 2 |
| CLA | CLA | 3 |

Total: 16 Credits

Summer Semester Year III:

| | | |
|---------|-------------|---|
| OVS 390 | Practicum I | 2 |
|---------|-------------|---|

Total: 2 Credits

YEAR IV – Senior Courses (29 Credit Hours)

Spring P2- Semester:

| | | |
|---------|---------------------------------------|---|
| CLA | CLA | 3 |
| CLA | CLA | 3 |
| OVS 388 | Clinical Decision making in Optometry | 2 |
| OVS 495 | Practicum II | 3 |
| HCT 210 | Basic Life Support | 0 |
| HCT 4XX | Technical Elective | 3 |

Total: 14 Credits

Fall P2- Semester:

| | | |
|---------|--|---|
| FIN 101 | Finance for Non-Business Students | 3 |
| CLA | CLA | 3 |
| OVS 470 | Pediatric Optometry, Binocular Vision and Strabismus | 3 |
| OVS 499 | Practicum III | 3 |
| HCT 4XX | Technical Elective | 3 |

Total: 15 Credits

Technical Electives:

| | | |
|---------|------------------------------------|---|
| HCT 480 | Marketing in the Healthcare sector | 3 |
| HCT 481 | Health Informatics | 3 |

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|---------|-----------------------------------|---|
| HCT 482 | Leadership in Healthcare | 3 |
| HCT 483 | Introduction to Clinical Research | 3 |
| HCT 485 | Biostatistics and Epidemiology | 3 |