



**Delhi Skill and  
Entrepreneurship University**

# **Bachelor of Optometry**



**Effective from Academic Year 2022-23**

## Program Information

Delhi Skill and Entrepreneurship University (DSEU)'s Bachelors in Optometry Program aims to prepare today's youth with job-ready skills to take up roles in primary Eye Health Care thereby addressing the lack of skilled professionals in this space and contributing to best-in-class Eye Healthcare provision for the community.

At the end of this program, students will be able to:

1. Gain skills to provide comprehensive eye examination.
  - a. To acquire knowledge on ocular structures, its functions and pathological changes.
  - b. To carry out ophthalmic investigations.
  - c. To impart knowledge with regard to common eye diseases.
  - d. To impart knowledge on treatment modalities from the perspective of counseling.
  - e. To acquire knowledge about the referral guidelines for ocular and systemic conditions.
2. Correct refractive errors and provide spectacle prescriptions.
3. Fit, evaluate, prescribe and dispense contact lenses for refractive correction and other ocular conditions.
4. Assess the low vision and provide comprehensive low vision care.
5. Have adequate knowledge to develop skill in manufacturing of spectacle lenses, contact lenses and low vision devices.
6. Do complete binocular vision assessment, manage non-strabismic binocular vision anomalies and refer to conditions which warrants surgery.
7. Assess the visual demands for various occupations and match it to the visual capabilities and advice on eye safety wear for various occupations.
8. Have knowledge and skill for early detection of various ocular conditions and pathologies – Refractive error, Strabismus, Cataract, Diabetic retinopathy, Glaucoma etc.
9. Have knowledge regarding organizations of eye banks and preservation of ocular tissues.
10. Have knowledge on sensory substitution and other rehabilitation measures for the totally visually challenged.
11. Have knowledge of counseling on visual/ocular hygiene, nutritional and environmental modifications.

## Pedagogy and Teaching Methodology

Three years of classroom training will be interspersed with industry visits and guest lectures. Further, all instructors providing this training will themselves have the relevant industry experience to ensure appropriate learning. The students will also be expected to spend ~50% of their time during this period gaining practical knowledge in the laboratories equipped with all the Optometry technology equipment. Additionally, there will be one year of On-the-Job Training in the form of internships. One year of internship will enhance their skills

and competency and will make them industry ready. In 3<sup>rd</sup> Year, students will be visiting hospitals weekly to get in depth clinical knowledge.

## **Placement and Internship**

With a curriculum developed in close partnership with industry since the inception of this program, the design and development focuses on hands-on contemporary skill development. The strong demand of Optometrists across India and abroad which will help students to secure Internships and Placement. Graduates have good employment prospects and will enter a field in which the demand for professionals have increased in recent years and will keep on increasing due to chronic eye conditions. The job sectors for Optometrists can be divided into the following areas:

1. Corporate sector
2. Private practice
3. Work for an optical chain or under an optical store
4. Public health
5. Industries/companies
6. Eye care hospitals & institutions
7. Education sector
8. Scientific research

## Credit scheme

Semester I			
Sl No.	Course Code	Course Titles	Total Credits
1	OPT-DC 101	Physical Optics	5
2	OPT-DC 102	General Biochemistry	4
3	OPT-DC 103	General Anatomy & Physiology	5
4	OPT-DC 104	Clinical Optometry (Practical)	3
5	OPT-DC 105	Optometry Law & Ethics	2
6	OPT-AE 101	English Communication – I	2
7	OPT-FW 102	Face the World Skills – I	3
<b>Total</b>			<b>24</b>

Semester II			
Sl No.	Course Code	Course Titles	Total Credits
1	OPT-DC 201	Geometrical Optics	5
2	OPT-DC 202	Ocular Anatomy & Physiology	5
3	OPT-DC 203	Ocular Biochemistry	4
4	OPT-DC 204	Clinical Optometry (Practical)	3
5	OPT-AE 201	English Communication – II	2
6	OPT-FW 202	Face the World Skills – II	3
7	OPT-AE 202	Environmental Studies – I	2
<b>Total</b>			<b>24</b>

Semester III			
SI No.	Course Code	Course Titles	Total Credits
1	OPT-DC 301	General & Ocular Microbiology	3
2	OPT-DC 302	Visual Optics	5
3	OPT-DC 303	Optometric Instruments & Clinical Examination of Visual System	5
4	OPT-DC 304	Ocular Diseases – I	4
5	OPT-DC 305	Nutrition	1
6	OPT-DC 306	Clinical Optometry (Practical)	4
7	OPT-AE 302	Environmental Studies – II	2
<b>Total</b>			<b>24</b>

Semester IV			
SI No.	Course Code	Course Titles	Total Credits
1	OPT-DC 401	Introduction to Quality and Patient Safety	2
2	OPT-DC 402	Introduction to Clinical Psychology	2
3	OPT-DC 403	General and Ocular Pathology	3
4	OPT-DC 404	Optometric Optics & Dispensing Optics	5
5	OPT-DC 405	Ocular Disease – II	4
6	OPT-DC 406	General & Ocular Pharmacology	3
7	OPT-DC 407	Clinical Optometry	5
<b>Total</b>			<b>24</b>

Semester V			
SI No.	Course Code	Course Titles	Total Credit
1	OPT-DC 501	Research Methodology & Biostatistics	1
2	OPT-DC 502	Geriatric Optometry	2
3	OPT-DC 503	Pediatric Optometry	2
4	OPT-DC 504	Binocular Vision – I	5
5	OPT-DC 505	Contact Lens – I	5
6	OPT-DC 506	Low Vision Care	4
7	OPT-DC 507	Special Clinics	4
<b>Total</b>			<b>23</b>

Semester VI			
SI No.	Course Code	Course Titles	Total Credit
1	OPT-DC 601	Hospital & Retail Optometry	2
2	OPT-DC 602	Law & Optometry	2
3	OPT-DC 603	Occupational Optometry	3
4	OPT-DC 604	Public Health & Community Optometry	4
5	OPT-DC 605	Binocular Vision – II	5
6	OPT-DC 606	Contact Lens – II	5
7	OPT-DC 607	Special Clinics	4
<b>Total</b>			<b>25</b>