

# Stackable Certificates Culminating in an MSc in Clinical Optometry Degree with an Advanced Studies Certificate

## 临床视光学理学硕士学位暨高级专业课程多重认证项目

**Description:** Salus University is offering a series of stackable certificates that culminate in a Master of Science in Clinical Optometry degree. An Advanced Studies certificate within a chosen content area is also part of this offering. Students may complete a majority of the coursework online. Two of the certificates require students to travel to the US for clinical training:

- Clinical Eye Care Certificate (face-to-face delivery with 6 weeks in the US)
- Advanced Studies Certificate (hybrid delivery with one week in the US)

简介：萨鲁斯大学开设一系列旨在获得临床视光学理学硕士学位的多重学习认证。其中涵盖一门所选领域的高级专业课程。学生可以在线完成大部分课程。其中两项认证需要学生前往美国完成临床学习。学术课程认证可以作为萨鲁斯大学博士课程资格认证的一部分。

- 临床眼科学认证（在美国进行6周面对面授课）
- 高级专业课程认证（在美国进行1周混合授课）

**Program Start:** Spring 2021 for the Comprehensive Eye Care 1 certificate.

项目开始时间：2021年春季开始综合眼科学1学习认证。

### Admissions Criteria:

- A minimum of a Bachelor's degree in a vision-related field, such as optics, optometry or ophthalmology.
- \*Those applying to the Scholarly Applications certificate only do not need to have an ophthalmic background.
- A license to practice optics, optometry or ophthalmology, or proof of a relevant faculty appointment.
- Demonstration of English language proficiency
- A recommended score for the IELTS of 5.5 or above
- A recommended score for the TOEFL IBT is 70 or above

入学标准：

- 视觉相关专业如光学、眼视光学或眼科专业本科及以上学历。\*只需学术课程认证而非硕士学位证书申请人不需光学，眼视光学及眼科相关履历。
- 从事光学、眼视光学或眼科专业，或相关教学工作的证明。\*只需学术课程认证而非硕士学位证书申请人不需上述眼科相关履历。
- 英文技能证明
- 雅思成绩需达到5.5分及以上
- 托福成绩需达到70分及以上

## Stackable Certificates 多重专业认证

### Comprehensive Eye Care 1 综合眼科学1

The purpose of this certificate is to provide students with expanded knowledge in epidemiology and research design, ocular anatomy and physiology, and the visual sciences such as contact lens, refractive surgery, low vision and binocular vision and vision therapy.

- 5 credits
- Virtual delivery model

该项认证旨在为学生提供有关流行病学和研究设计，眼解剖和生理，以及视觉科学如隐形眼镜，屈光手术，低视力，双眼视和视觉训练治疗的拓展知识。

- 5 学分
- 线上课程模式

## Comprehensive Eye Care 2 综合眼科学 2

Students successfully completing this certificate will be equipped with tools to critically appraise and apply the scientific literature in optometric practice. Additionally, courses in human and ocular anatomy, optic nerve disorders, physiology, pathology and pharmacology will broaden and deepen a student's knowledge in the identification and management of ocular manifestations of disease.

- 5 credits
- Virtual delivery model

成功完成此项认证的学生将具备在视光实践中严格评估及应用专业文献的能力。除此之外，人体及眼部解剖学，视神经疾病，生理学，病理学和药理学的课程将会拓宽和加深学生在眼部疾病识别和管理方面的知识。

- 5 学分
- 线上课程模式

## Comprehensive Eye Care 3 综合眼科学3

Students successfully completing this certificate will be able to more effectively diagnosis and co-manage glaucoma, anterior and posterior segment disease and ocular manifestations of systemic disease. Courses in environmental optometry including myopia control as well as practice management and professional development provide students will knowledge and skills to expand their practice impact and become leaders in their professions.

- 5 credits
- Virtual delivery model

成功完成此项认证的学生能更加有效诊断和同时管理青光眼，眼前后节疾病及系统性疾病的眼部表现。环境视光学和近视控制，专业实践管理及职业发展的课程也会为学生提供知识和技能，扩大他们的实践影响力并成为行业的领导者。

- 5 学分
- 线上课程模式

## Clinical Eye Care 临床眼科学

The students practice on paid patients in a workshop setting to review a standardized approach to primary eye care clinical examination skills and the recording of clinical findings. The emphasis is on mastering the following clinical skills: Refraction, Goldmann tonometry, slit lamp biomicroscopy, gonioscopy, dilated fundus lens biomicroscopy and binocular indirect ophthalmoscopy.

Students examine patients in a controlled environment to diagnose ocular diseases and identify appropriate management options for each patient. Students work with skilled clinicians during the rotation, thereby receiving professional guidance throughout the process.

- 6 credits
- Face-to-face delivery model
- Requires 6 weeks on-campus at Salus

学生将在实操课程中对付费病人进行检查，旨在练习标准的眼部初级临床检查技能并记录临床发现。重点是掌握以下临床技能：验光，Goldmann眼压检查，裂隙灯检查，房角镜检查，散瞳后眼底镜检查及双眼间接检眼镜检查。

学生将在特定的环境下为每个病人诊断眼部疾病并确定适当的管理方案。学生将与有经验的临床医师一起工作，从而在整个实操过程中得到专业的指导。

- 6学分
- 面对面授课模式
- 要求在萨鲁斯校内学习6周

## Scholarly Applications 学术应用

Students complete a mentor-guided, written literature review on an approved topic that culminates in an oral presentation. Students interested in pursuing a PhD degree at Salus can choose a topic and be assigned a faculty advisor that can potentially result in a shorter PhD program duration. Additionally, students will write two case reports based upon patients for whom they have provided care. The case reports are written under the supervision and guidance of an assigned faculty content expert. Each student presents one of the cases orally to an audience of peer and their faculty advisor.

- 12 credits
- Virtual delivery model

学生在导师指导下完成一篇课题被认可的文献综述并进行口头陈述。如果有意向在萨鲁斯大学攻读博士学位的学生可以选择一个课题，同时会分配相关导师进行指导，这可能会帮助学生缩短博士项目的学习时间。除此之外，学生将根据他们所检查的患者撰写两篇病例报告。病例报告是在指定教职和相关专家的指导下完成。每个学生需要向其他同学及导师口头陈述其中一篇病例报告。

- 12学分
- 线上教学模式

## Advanced Studies 高级专业课程

Advanced Studies gives students the opportunity to customize their experience by gaining additional knowledge and skills within a specific content area. It consists of four parts delivered in a small group learning format, including online lectures and hands-on workshops that utilize paid patients with relevant conditions as indicated. In addition, article reviews and mentor-guided case report writing are teaching techniques that will be utilized. The current Advanced Studies content offerings are:

- Binocular Vision and VisionTherapy,
- Vision Impairment and Rehabilitation,
- Contact Lens
- 5 credits
- Hybrid delivery model
- Requires 1 week on-campus at Salus

高级专业课程为学生提供机会，在特定内容范围内让他们来定制自己的课程，帮助他们获得更多知识和技能。该课程由4个部分组成，以小组形式授课，包括线上课程和对相关特定条件的付费病人进行实操练习的课程。除此之外，本课程还会运用学术文章带读和导师指导下的报告写作形式提高学生水平。现有的高级专业课程有：双眼视及视觉训练治疗，视觉损伤和康复，隐形眼镜。

- 5学分
- 混合型授课模式
- 要求在萨鲁斯校内学习1周

## Course of Study: MSc in Clinical Optometry with an Advanced Studies

学习课程：包括高级专业课程学习的临床视光学理学硕士学位

<b>Course Title</b> 课程名称	<b>Semester Credits</b> 学分	<b>Certificate</b> 认证
Epidemiology, Biostatistics, Research and Design 流行病学，生物统计及研究与设计	1.00	Comprehensive Eye Care 1 综合眼科学1
Molecular and Cellular Processes 细胞和分子生物学	0.50	Comprehensive Eye Care 1 综合眼科学1
Ocular Anatomy and Physiology 眼解剖及生理	0.50	Comprehensive Eye Care 1 综合眼科学1
Contact Lens Applications 隐形眼镜应用	0.50	Comprehensive Eye Care 1 综合眼科学1
Concepts of Cataracts, Low Vision and Geriatric Care 白内障，低视力，老年病护理总论	0.50	Comprehensive Eye Care 1 综合眼科学1
Refraction and Pre and Post Refractive Surgery 屈光矫正及屈光术前术后	1.00	Comprehensive Eye Care 1 综合眼科学1
Study of Normal and Abnormal Binocular Function 正常和异常双眼视	1.00	Comprehensive Eye Care 1 综合眼科学1
Evidence-Based Practice 1 循证医学1	0.50	Comprehensive Eye Care 2 综合眼科学2
Evidence-Based Practice 2 循证医学2	0.50	Comprehensive Eye Care 2 综合眼科学2
Human Anatomy and Neuroscience 人体解剖和神经学	1.00	Comprehensive Eye Care 2 综合眼科学2
Optic Nerve Disorders 视神经疾病	0.50	Comprehensive Eye Care 2 综合眼科学2
General Physiology, Pathology and Pathophysiology 1 生理学，病理学及病理生理学1	1.00	Comprehensive Eye Care 2 综合眼科学2
General Physiology, Pathology and Pathophysiology 2 生理学，病理学及病理生理学2	0.50	Comprehensive Eye Care 2 综合眼科学2
Principles and Applications of Pharmacology 1 药理学原理及应用1	0.50	Comprehensive Eye Care 2 综合眼科学2
Principles and Applications of Pharmacology 2 药理学原理及应用2	0.50	Comprehensive Eye Care 2 综合眼科学2
Microbiology and Immunology 微生物和免疫	0.50	Comprehensive Eye Care 3 综合眼科学3
Ocular Biology and Anterior Segment Disease 眼生物学及眼前节疾病	1.00	Comprehensive Eye Care 3 综合眼科学3
Clinical Medicine and Disease Manifestations 临床医学及疾病表现	1.00	Comprehensive Eye Care 3 综合眼科学3
Posterior Segment Disease 眼后节疾病	0.50	Comprehensive Eye Care 3 综合眼科学3

The Study of Glaucoma 青光眼	0.50	Comprehensive Eye Care 3 综合眼科学3
Case Presentations and Panel Discussion 病例展示及小组讨论	0.50	Comprehensive Eye Care 3 综合眼科学3
Environmental Optometry 环境视光学	0.50	Comprehensive Eye Care 3 综合眼科学3
Practice Management and Professional Development 实践管理和专业发展	0.50	Comprehensive Eye Care 3 综合眼科学3
Clinical Procedures Laboratory 临床检查实操	1.50	Clinical Eye Care 临床眼科学
Controlled Patient Care Session 1 对照病例检查实操 1	2.00	Clinical Eye Care 临床眼科学
Controlled Patient Care Session 2 对照病例检查实操 2	2.50	Clinical Eye Care 临床眼科学
Scholarly Project - Part 1 学术研究 - 1	2.00	Scholarly Applications 学术应用
Scholarly Project - Part 2 学术研究 - 2	2.50	Scholarly Applications 学术应用
Culminating Scholarly Project 3 最终学术研究 - 3	2.50	Scholarly Applications 学术应用
Clinical Case Studies 1 临床病例学习 1	3.00	Scholarly Applications 学术应用
Clinical Case Studies 2 临床病例学习 2	2.00	Scholarly Applications 学术应用
Advanced Studies Part 1 高级专业课程 1	1.00	Advanced Studies 高级专业课程
Advanced Studies Part 2 高级专业课程 2	1.00	Advanced Studies 高级专业课程
Advanced Studies Part 3 高级专业课程 3	1.50	Advanced Studies 高级专业课程
Advanced Studies Part 4 高级专业课程 4	1.50	Advanced Studies 高级专业课程
<b>Total Credits</b> 总学分	<b>38.00</b>	

# Tuition Costs for Stackable Certificates

## 多重认证课程学费表

### Comprehensive Eye Care 1, 2 and 3 综合眼科学 1, 2, 3

- 5 credits/certificate 五学分/证书
- Virtual delivery model 线上课程
- \$1000 USD/credit \$1000/学分

### Clinical Eye Care 临床眼科学

- 6 credits 六学分
- Face-to-face delivery mode 面授模式
- Requires 6 weeks on-campus at Salus 要求在萨鲁斯校内学习六周
- \$2000 USD/credit \$2000/学分

### Scholarly Applications 学术应用

- 12 credits 十二学分
- Virtual delivery model 线上教学
- \$1000 USD/credit \$1000/学分

### Advanced Studies 高级专业课程

- 5 credits 五学分
- Hybrid delivery model 线上线下混合授课模式
- Requires 1 week on-campus at Salus 要求在萨鲁斯校内学习一周
- \$1500 USD/credit \$1500/学分

Total tuition for the MSc in Clinical Optometry degree program via this delivery model: \$39,000 USD

Total tuition for the Advanced Studies certificate via this delivery model: \$7500 USD

Total tuition to earn a MSc in Clinical Optometry degree and an Advanced Studies certificate via this delivery model: \$46,500 USD

本模式视光学临床硕士课程学费总数：美金三万九千元。本模式高级专业多重认证证书学费总数：美金七千五百元。

本模式临床视光学硕士课程加高级多重认证证书学费总数：美金四万六千五百元。

There is a minimum number of 10 students required for each certificate to be offered. Students have up to three years to complete the certificates that culminate in a MSc in Clinical Optometry degree.

证书课程每班最低学生开班数：十人。临床视光硕士课程修完时间不超过三年。

For more information contact:

更多信息请联系：

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