



SYNTRAIN
INTERNATIONAL ACADEMY

MSc in Restorative & Aesthetic Dentistry

Course Brochure

The **MSc in Restorative and Aesthetic Dentistry** is shaped by emerging digital technologies, reflecting the growing expectation for dentists to deliver cutting-edge orthodontic and advanced restorative treatments, including implantology and clear aligner therapy.



2027

About The Course

The MSc in Restorative and Aesthetic Dentistry is designed to equip clinicians with the knowledge and skills required to deliver contemporary restorative and aesthetic dental care. Reflecting the rapid evolution of digital technologies, the programme integrates advanced digital workflows, implant dentistry, and clear aligner therapy to support predictable, patient-centred treatment outcomes.

A key focus of the programme is the preservation and management of hard and soft tissues, recognising the fundamental role of periodontal health in successful restorative and aesthetic treatment. By combining evidence-based clinical practice with emerging technologies, the MSc prepares practitioners to provide comprehensive care and achieve long-term functional and aesthetic success for their patients.

Course Title

MSc in Restorative
& Aesthetic Dentistry

Duration

2 Years

Campus

SynTrain Academy &
Approved General Dental
Practices

Attendance

Part Time
1 Day A Month
Lectures/Clinical Practice
Observations

Entry Requirements

Postgraduate BDS or
Equivalent

Fees

Please refer to the website or
back of the brochure

Credits

180 Credits



Main Treatment Learning Outcomes:

- Undertake comprehensive diagnosis and develop structured treatment plans for a broad spectrum of restorative and aesthetic dental cases.
- Design and deliver aesthetic smile rehabilitations, ranging from minimally invasive interventions to complex full-mouth restorative treatments.
- Plan and provide direct and indirect veneer restorations using composite and ceramic materials, optimising aesthetics, function, and long-term predictability.
- Apply evidence-based tooth whitening techniques, tailoring treatment protocols to individual patient requirements and clinical indications.
- Diagnose, monitor, and manage tooth wear through preventive, interceptive, and restorative treatment strategies.
- Deliver predictable fixed prosthodontic treatments, including crowns, bridges, and adhesive restorations, based on sound restorative principles.
- Assess, diagnose, and manage occlusal considerations, applying contemporary concepts to both straightforward and complex rehabilitative cases.
- Integrate implant restorative dentistry into comprehensive treatment planning, restoring single-tooth, multiple-unit, and full-arch implant cases.
- Diagnose and manage endodontic conditions, applying appropriate case selection, treatment planning, and contemporary clinical techniques to achieve successful outcomes.
- Critically evaluate clinical evidence and apply advanced restorative concepts to support predictable, patient-centred treatment outcomes.

Structure

Year One - 1 DAY A MONTH TO INCLUDE:

- Lecture Programme and Practical Clinical Skills Development (Phantom Head Training)
- Supervised Clinical Practice
- Flexible Online Study
- Live Patient Demonstrations

Year Two - 1 DAY A MONTH TO INCLUDE:

- Tutorials with Dissertation Supervisor
- Dissertation Writing



Clinical Practice Rota

As part of your PART-TIME MSc in Restorative & Aesthetic Dentistry, you will gain valuable clinical experience within a supervised dental practice environment, helping you develop your skills in modern restorative and aesthetic dentistry.

The experience you gain will support your clinical development and contribute towards your Clinical Professional Portfolio.

As part of your clinical practice placement, you will:

- Mentored by experienced Restorative & Aesthetic Dentists
- Observe and participate in restorative and cosmetic procedures under supervision
- Develop your skills in composite bonding, veneers, crowns, bridges and smile design
- Build your understanding of occlusion, aesthetic assessment and predictable restorative workflows
- Gain experience in consultation, treatment planning and restorative case management
- Complete and document cases within your Clinical Portfolio



Teaching

As part of your MSc Programme, you will be taught both face to face and online too, to give you flexibility and avoid taking days off work

Clinical Skills Development

The MSc programme is divided into separate modules. This ensures that you complete the requirements of the MSc Learning Outcomes.

As part of your skills development, you will:

- Build on Skills Covering Aspects of Modern-Day Comprehensive Dentistry
- Hands-On Training in Our Purpose-Built Phantom Head Facility
- Comprehensive Experience in Restorative and Aesthetic Procedures
- Live Patient Demonstrations by Experienced Professionals
- Complete a Clinical Portfolio

Clinical Skills Development Timetable

Month 1	Dental Restorative Training Level 1 (Class I–IV Restoration)
Month 2	Dental Restorative Training Level 2 (Indirect Restoration)
Month 3	3D Printed Veneers
Month 4	Injection Mould Technique
Month 5	Dental Prosthodontics Training
Month 6	Basic Implant Restorative Training
Month 7	Direct Composite Bonded Veneers
Month 8	Endodontics & Rubber Dam Masterclass
Month 9	Dental Restorative Training Level 3
Month 10	Invisalign Bond Up Course, Whitening, & Edge Bonding
Month 11	Dental Restorative Training Level 4
Month 12	Photography & Live Patient Demonstrations
Month 13–24	Understanding Research & Critical Appraisal (URECA) Reflective Clinical Practice Dissertation

The MSc programme is divided into separate modules. This ensures that you complete the requirements of the MSc Learning Outcomes.

The modules are integrated within each of the separate course units. The course is designed in 21 face-to-face days, spread over 2 days a month, to advance the learning of each delegate through the programme.

Dental Restorative Training Level 1 (Class I–IV Restoration)

- Learn the core principles of contemporary restorative dentistry.
- How to achieve greater precision, predictability and consistency in restorative treatments.
- The principles of the bonded restorative concept and modern adhesive dentistry.
- How to select and handle restorative materials effectively.
- Step-by-step techniques for Class I–IV restorations.
- How to plan predictable, functional and aesthetic restorative treatments.
- Modern techniques for achieving long-lasting and aesthetic restorations.
- How to improve your restorative placement and finishing techniques.
- How to apply theoretical knowledge through hands-on practical training.
- How to develop greater confidence in delivering restorative treatments in everyday clinical practice.
- Practical tips and techniques from experienced clinicians through expert-led teaching and mentorship.



Dental Restorative Training Level 2 (Indirect Restoration)

- Learn advanced restorative techniques building on your existing foundational skills.
- Principles of predictable crown, veneer and bridge preparation.
- How to prepare teeth for a range of indirect restorative materials.
- Practical techniques for effective and aesthetic temporisation.
- How to work with modern restorative materials, including PBC, PGC and zirconia.
- How to use essential clinical equipment, including motors, cameras and screens, to improve precision and workflow.
- Step-by-step techniques for UR1 veneer preparation.
- How to assess preparation design and apply appropriate clinical principles for predictable outcomes.
- How to refine your preparation, temporisation and restorative techniques through hands-on practice.
- How to apply advanced restorative techniques to achieve high-quality aesthetic and functional results.
- Practical tips and techniques through live demonstrations, expert guidance and focused mentorship.
- Greater confidence in applying these techniques within your everyday clinical practice.



3D Printed Veneers

- The principles of 3D printed veneers and how they can be integrated into everyday clinical practice.
- How to plan and execute a complete digital veneer workflow.
- How to assess cases and prepare teeth appropriately for 3D printed veneers.
- Step-by-step techniques for veneer try-in, bonding and finishing.
- Modern bonding protocols for achieving predictable, long-lasting results.
- How to assess and refine veneer fit, function and aesthetics.
- How to use modern motors and finishing systems to achieve precise clinical results.
- How to troubleshoot and manage common challenges during the 3D printed veneer workflow.
- How to combine digital planning with precise chairside clinical techniques.
- Practical tips for achieving highly aesthetic and predictable outcomes.
- How to confidently integrate 3D printed veneers into your existing clinical workflow.
- Greater confidence in delivering digitally driven aesthetic restorative treatments in everyday practice.



Injection Mould Technique

- The principles and clinical applications of the injection mould technique for anterior teeth.
- How to identify suitable cases and plan minimally invasive aesthetic restorations.
- The importance of material selection when using the injection mould technique.
- The complete clinical workflow, from diagnostic wax-up through to the final restoration.
- How to achieve predictable, consistent and aesthetic results with anterior composite restorations.
- Techniques for improving accuracy and efficiency when placing anterior composite.
- How to use motors and modern clinical tools for refinement, finishing and polishing.
- How to optimise the fit, function and aesthetics of anterior composite restorations.
- How to recognise and troubleshoot common challenges when using the injection mould technique.
- Practical insights through expert-led discussion and relevant clinical examples.
- How to confidently incorporate the injection mould technique into your everyday clinical practice.



Dental Prosthodontics Training

- The fundamental principles of removable prosthodontics and denture treatment.
- The different types of complete and partial dentures, including their clinical indications.
- How to assess and diagnose patients requiring full or partial dentures.
- How to select appropriate denture designs and materials for individual patients.
- How to develop effective treatment plans to achieve functional, comfortable and aesthetic outcomes.
- The principles of bite registration in edentulous patients.
- How to assess and record vertical dimension and centric relation accurately.
- Step-by-step protocols for achieving predictable and accurate bite registrations.
- How to identify and manage common clinical challenges associated with denture cases.
- Key considerations for improving the accuracy and predictability of denture fabrication.
- Practical insights through clinical demonstrations, expert-led teaching and interactive discussion.
- Greater confidence in planning and managing full and partial denture cases in everyday clinical practice.



Basic Implant Restorative Training

- You will learn the fundamental principles of implant restorative dentistry.
- How to assess and plan the restoration of single and multiple implant cases.
- How to select the appropriate implant restorative components and abutments.
- The principles of conventional impression and digital implant workflows.
- Key considerations for achieving accurate and predictable restorative outcomes.
- The principles of implant occlusion and how to apply them clinically.
- How to restore a single implant unit, including abutment selection and restoration seating.
- How to assess and manage occlusal considerations when restoring implant-supported restorations.
- How to identify and troubleshoot common clinical challenges associated with implant restoration.
- Practical restorative protocols through hands-on training in a controlled learning environment.
- How to apply restorative principles to both single and multiple implant cases.
- Greater confidence in restoring implant cases effectively and predictably in everyday clinical practice.



Direct Composite Bonded Veneers

- You will learn the principles of advanced anterior aesthetics and direct composite veneer restorations.
- How to assess and recreate natural anterior tooth anatomy.
- Step-by-step techniques for direct composite veneer placement.
- How to use composite layering techniques to achieve natural-looking aesthetic results.
- How to select and manipulate composite materials effectively.
- Techniques for building up anterior teeth, including practical restoration of incisors.
- How to improve precision and efficiency using motors and modern clinical tools.
- How to refine, finish and polish composite restorations for optimal aesthetic outcomes.
- How to apply layering techniques to create appropriate shape, contour and anatomy.
- Common considerations for achieving predictable and long-lasting composite restorations.
- Practical techniques through hands-on training, expert guidance and clinical discussion.
- Greater confidence in delivering high-quality direct composite restorations in everyday clinical practice.



Endodontics & Rubber Dam Masterclass

- You will focus on the fundamental principles of predictable and contemporary endodontic treatment.
- How to approach endodontic diagnosis, case selection and treatment planning.
- The principles of effective rubber dam isolation and its importance in endodontic treatment.
- How to use ProTaper systems and endodontic motors effectively.
- The principles of canal preparation and shaping.
- How to establish and manage a predictable glide path.
- How to apply torque-controlled instrumentation to improve safety, efficiency and consistency.
- How to develop a structured and efficient endodontic workflow.
- How to identify and manage common challenges encountered during root canal treatment.
- Practical tips and techniques to improve the predictability of endodontic procedures.
- How to apply modern motor-driven instrumentation protocols in everyday clinical practice.
- Greater confidence in delivering safe, efficient and high-quality endodontic treatment.



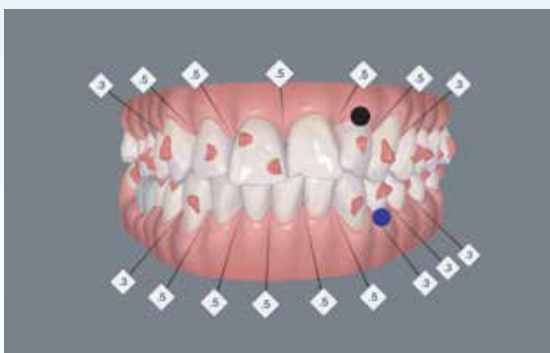
Dental Restorative Training Level 3

- You will learn the principles of smile design and aesthetic treatment planning.
- How to assess facial and dental aesthetics when planning smile makeovers.
- How to use digital smile design principles to support predictable treatment outcomes.
- Practical experience using Smile Cloud to plan and prepare teeth from 3–3.
- The principles and techniques involved in indirect restorative treatments.
- How to approach tooth preparation for indirect restorations with precision and predictability.
- Step-by-step techniques for creating accurate and aesthetic provisional restorations.
- How to improve your temporisation skills for enhanced fit, function and aesthetics.
- How to translate aesthetic treatment plans into precise clinical execution.
- Practical techniques through hands-on workshops, demonstrations and expert guidance.
- How to integrate smile design, preparation and temporisation into a cohesive restorative workflow.
- Greater confidence in delivering predictable, high-quality aesthetic restorative treatments in everyday clinical practice.



Invisalign Bond Up Course, Whitening, & Edge Bonding

- Invisalign bonding, professional whitening and anterior edge bonding.
- How to assess patients and plan treatment using digital workflows and ClinCheck.
- The principles and techniques of interproximal reduction (IPR).
- How to accurately position Invisalign attachments to optimise aligner fit and performance.
- How to assess case suitability, understand clinical limitations and manage patient expectations.
- Prestige whitening protocols, including shade taking, treatment planning and patient communication.
- Anterior composite edge bonding, including anatomy, contouring, finishing and polishing.
- How to achieve natural, harmonious and aesthetically pleasing bonding results.
- How to combine digital planning with precise clinical execution for predictable outcomes.
- Greater confidence in delivering Invisalign bonding, Prestige whitening and edge bonding to a high clinical and aesthetic standard.



Dental Restorative Training Level 4

- How to assess, diagnose and manage patients presenting with tooth wear.
- The relationship between tooth wear, occlusion and overall oral function.
- Fundamental occlusal principles and their application in restorative treatment planning.
- How to develop treatment strategies for functional and occlusal challenges.
- Practical techniques for stabilisation splint fabrication.
- How to apply occlusal principles when planning and delivering restorative treatments.
- How to assess complex cases and make appropriate clinical decisions.
- How to develop predictable restorative strategies balancing function, aesthetics and long-term stability.
- How to use case discussions and analysis to refine diagnosis and treatment planning.
- Practical approaches to managing challenging restorative cases in everyday practice.
- Greater confidence in delivering functional, aesthetic and predictable outcomes in advanced restorative dentistry.

Photography & Live Patient Demonstrations

- Capture high-quality intraoral and extraoral dental photographs using professional techniques.
- Apply lighting, positioning, composition and camera settings to produce consistent clinical images.
- Photograph cases accurately to document treatment and demonstrate clinical outcomes.
- Use dental photography to support assessment, treatment planning and patient communication.
- Plan and carry out photography sessions for clinical documentation and professional presentation.
- Critically assess your photographs and refine your technique to improve image quality.
- Use digital photography to showcase aesthetic and restorative treatment outcomes effectively.
- Develop and organise a professional clinical photography portfolio.
- Apply photography techniques to support aesthetic treatment planning and smile design.
- Integrate clinical photography confidently into everyday postgraduate dental practice.



Module Outline

Patient Assessment & Risk Management

This module aims to foster an evidence-based approach to patient selection as well as the knowledge and understanding of the theory and practice required to recognise and provide advanced level restorative and aesthetic treatment modalities and risk assessment.

Its objective is to highlight potential restorative and aesthetic complications in treatment and for you to be able to develop risk assessment strategies to avoid or minimise these complications in restorative and aesthetic therapy. The practice of predominately elective treatments is one of the most challenging and complex fields of medicine as it often entails an in-depth knowledge of more than one speciality with each having a unique set of complications that need to be identified and effectively managed.

The challenges you may face can range from unacceptable aesthetics and poor treatment outcomes to irreversible surgical trauma to vital structures and potentially life-threatening haemorrhage.

This module enhances your understanding of the requirements and skills essential to the safe clinical practice and application of advanced treatment modalities, as well as the challenge of long-term maintenance issues or complications.

Recognizing that not all complications can be prevented, the module also addresses essential management strategies, ethical considerations related to informed consent, and the management of patient expectations.

You will develop skills in communication, organization, planning, problem-solving, treatment planning, risk assessment, ethical responsibility, and securing consent.



Reflective Clinical Practice

The module aims to cultivate reflective practitioners by fostering the development of innovative and reflective thinking alongside problem-solving skills. Reflective practice serves as a vital tool for enhancing clinical judgment and building medical expertise, encouraging a thoughtful and evidence-based approach to clinical care.

The module requires students to formulate and justify their own patient centred treatment plans with illustrated case reports. The module affords the opportunity to demonstrate knowledge and understanding of a specialist treatment modality and reflect on learning experiences and competencies gained from various treatment modalities relevant to their dissertation topic.

Students will also need to consider how their practices and attitudes have evolved and changed over time because of these experiences. Case reports will be used for them to reflect on treatment outcomes so helping them to identify connections between intended and actual outcomes achieved and how they may be improved upon.



Understanding Research & Critical Appraisal

This module is designed to help you develop the research skills necessary to identify your dissertation topic, create a detailed proposal, and plan your research effectively. It will equip you with the academic skills required for Master's level study.

The module encompasses key areas such as clinical statistics, evidence-based practice, critical appraisal, measurement, and research design, with a focus on their specific applications in medical research and treatment.

You will learn how to formulate realistic research objectives and establish an appropriate conceptual and analytical framework for your study.

Additionally, you will acquire skills in identifying, collating, and critically reviewing relevant literature, enabling you to make informed decisions regarding the research philosophies, strategies, and methods best suited to your project.



Occlusal Diagnosis and Analysis

Patient awareness of aesthetics, along with advancements in orthodontic techniques, implantology, and restorative rehabilitation, has led to a rise in adults seeking advanced dental treatments.

As a result, dentists are increasingly tasked with diagnosing and managing occlusion as part of broader treatment plans. This multidisciplinary module examines the anatomy, etiology, and management of occlusion from both orthodontic and restorative viewpoints.

Its goal is to equip dentists with the skills to accurately diagnose occlusal issues and develop comprehensive treatment plans that facilitate a multidisciplinary approach to patient care.



Computer Assisted Design and Fabrication of Restorations, Guides and Appliances (CAD/CAM)

This module provides a comprehensive evaluation of cutting-edge computer-aided design and manufacturing (CAD/CAM) technologies utilized in digital dentistry. It aims to equip participants with hands-on experience in using commercial CAD/CAM systems. Participants will develop a foundational understanding of CAD software and gain practical competence in its application.

The module also introduces image-capturing technologies, exploring their indications and integration into the digital workflow. Detailed instruction on commonly used software for treatment planning and the design of restorative appliances and surgical guides is included. Participants will have the opportunity to apply CAD software in real-life cases, critically assessing its functionality and application across various treatment modalities. Additionally, the module covers CAM processes, highlighting appliance fabrication using advanced hardware such as milling and 3D printing technologies.

This module will also consider potential complications and risk assessment strategies to avoid and minimise complications. The module develops communication skills, organisation and planning, problem solving, treatment planning, risk assessment, ethical responsibility and consent.

Dissertation



This taught module offers the opportunity to conduct an extended and significant research project. It enables you to synthesize the academic knowledge gained from your previous postgraduate studies and practical experiences to create an evaluative and critical discussion on a specialist dental topic directly related to your program.

The module aims to enhance your skills in identifying a problem, determining its significance, formulating a hypothesis or proposition, designing a method for testing the hypothesis, and evaluating the results.

MSc Key Features

1. Face-to-face teaching delivered from modern advanced facilities at the SynTrain Academy Campus in Bolton
2. Clinical Hands-On Training in a Phantom Head Skills Lab
3. A personal academic coach will provide regular online tutorials to support learning and guidance through course modules on a one-to-one basis. The coaches are there to help you as needed to ensure your success.
4. Adjunctive programmes, supplemental formative courses which support your compulsory modules and deliver live regular interactive clinical training.
5. Clinical Attachments in Dental Practice where you will be treating patients.

What's Included In The MSc?

	Postgraduate Diploma In Restorative & Aesthetic Dentistry HANDS-ON	Postgraduate Diploma In Restorative & Aesthetic Dentistry DISTANCE LEARNING	MSc Degree In Restorative & Aesthetic Dentistry HANDS-ON	MSc Degree In Restorative & Aesthetic Dentistry DISTANCE LEARNING
Unit 1: Dental Restorative Training Level 1 (Class I-IV Restoration)	Included	Included	Included	Included
Unit 2: Dental Restorative Training Level 2 (Indirect Restoration)	Included	Included	Included	Included
Unit 3: 3D Printed Veneers	Included	Included	Included	Included
Unit 4: Injection Mould Technique	Included	Included	Included	Included
Unit 5: Dental Prosthodontics Training	Included	Included	Included	Included
Unit 6: Basic Implant Restorative Training	Included	Included	Included	Included
Unit 7: Direct Composite Bonded Veneers	Included	Included	Included	Included
Unit 8: Endodontics & Rubber Dam Masterclass	Included		Included	
Unit 9: Dental Restorative Training Level 3	Included		Included	Included
Unit 10: Invisalign Bond Up Course, Whitening & Edge Bonding	Included		Included	Included
Unit 11: Dental Restorative Training Level 4	Included		Included	Included
Unit 12: Photography & Live Patient Demonstration	Included		Included	Included
Reflective Clinical Practice of Dento-Alveolar Surgery			Included	Included
Understanding Research & Critical Appraisal			Included	Included
Dissertation			Included	Included

Course Fees

	Fees (Inc VAT)	Advance to MSc (Inc VAT)	Total Fees Paid (Inc VAT)
Postgraduate Diploma In Restorative & Aesthetic Dentistry HANDS-ON	£12,700	£9,700	£22,400
Postgraduate Diploma In Restorative & Aesthetic Dentistry DISTANCE LEARNING	£7,900	£5,500	£13,400
MSc Degree In Restorative & Aesthetic Dentistry HANDS-ON	£22,400		£22,400
MSc Degree In Restorative & Aesthetic Dentistry DISTANCE LEARNING	£13,400		£13,400

Payment Terms

Payments can be made upfront/finance options available

Enquire Now – Call or WhatsApp on 07840 607695

**MSc Degree In
Restorative
& Aesthetic Dentistry**

**Patient Assessment &
Risk Management**

Management of Aesthetics and Digital Smile Design

**Three-Dimensional Digital Imaging
Techniques, Interpretation & Technology**

Occlusal Diagnosis & Analysis

Reflective Clinical Practice

**Understanding Research &
Critical Appraisal (URECA)**

Dissertation



**Exit Here With A
Postgraduate
Diploma**



**Exit Here With A
Master of Science
Degree**

Admissions Criteria

Entrants must satisfy the following entry requirements:

Normally at least two years' demonstrable postgraduate clinical experience in clinical practice as a:

- Qualified dental practitioner
- Current registration with the UK General Dental Council (GDC) or equivalent in another country
- Evidence of appropriate professional liability insurance/Medico-legal indemnity insurance as may be required for the designated clinical setting at an appropriate level
- Access to clinical practice setting that gives enough exposure to the relevant area of clinical specialism

Apply for a Student Scholarship

At The University of Greater Manchester, we understand that pursuing education can come with financial challenges. To support individuals in need, we've introduced a scholarship scheme specifically for clinicians.

This program is designed to provide financial assistance and help make education more accessible.

Scholarship Specifications

Each year, a limited number of scholarships are available through our student scholarship scheme. These scholarships provide up to £5,500 towards the cost of Postgraduate education.

Eligibility Criteria:

- Students enrolled in a Postgraduate program.
- Students who have completed an accredited Postgraduate Diploma course are also eligible to apply.
- Students must have a current registration with the UK General Dental Council (GDC) or equivalent in another country.

Terms & Conditions:

- **Validity Period:** If successful, the scholarship is valid for a limited period to allow other candidates the opportunity to apply. Each scholarship offer is valid for 3 months from the date of award.
- **Program Eligibility:** Scholarships are available exclusively for select MSc and Postgraduate Diploma programs.



