Hybrid Professional Master's Degree
Digital Dentistry

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Hybrid Professional Master's Degree
Digital Dentistry

Modality: **Hybrid (Online + Clinical Internship)**
Duration: **12 months**
Certificate: **TECH Technological University**
Teaching Hours: **1,620 h.**
Website: **www.techtitute.com/pk/dentistry/hybrid-professional-master-degree/hybrid-professional-master-degree-digital-dentistry**

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01
Introduction

The incorporation of new technologies in the field of dentistry has led in recent years to a major transformation in this sector. In this way, digitalization has made it possible to create surgical plans and guides for complex cases or computer-aided design (CAD) and computer-aided manufacturing (CAM). For this reason, it is necessary for dentists to bring their knowledge up-to-date in this field in order to integrate the latest advances into their clinical practice. This degree offers the specialist the perfect combination of a rigorous theoretical framework with a 3-week practical stay in a first class clinical center, where they will be accompanied by real experts in this field.

" *Get your knowledge up-to-date with the most complete blended Master's Degree in Digital Dentistry in the current academic panorama*"

From intraoral scanning, digital radiography, Augmented Reality to VR have been introduced in the dental sector, completely transforming diagnostic and therapeutic procedures. In this regard, in recent years, there has been a major drive to improve assessment and intervention techniques, reducing errors due to human factors.

In this scenario of digitization and continuous evolution, it is necessary for dentists to be up to date and provide the most advanced therapy to their patients. For this reason, TECH has created this 12-month Hybrid Professional Master's Degree in Digital Dentistry.

This is a very complete program that leads the graduate to deepen in design software both open and closed source, in the digital flow used for the planning of invisible orthodontics, Guided Surgery or in the preparation of minimally invasive interventions. High-quality teaching material (video summaries, detailed videos), scientific readings and case studies are available for this purpose.

But, undoubtedly, in this program, the stay in a state-of-the-art clinic makes the difference. In this first class space, the graduate will have the opportunity to be involved in the most advanced methodologies and the most advanced digital equipment for the care of the main pathologies.

A unique academic experience, where you will have at your fingertips the most rigorous syllabus created by real specialists and, subsequently, where you will be guided by active experts with extensive experience in this sector.

This **Hybrid Professional Master's Degree in Digital Dentistry** contains the most complete and up-to-date scientific program on the market. The most important features include:

- Development of more than 100 clinical cases presented by nursing professionals
- The graphic, schematic, and practical contents with which they are created, provide scientific and practical information on the disciplines that are essential for professional practice
- Patient assessment using the most advanced software in Digital Dentistry
- Comprehensive systematized action plans for the main pathologies in Current Pediatric
- Presentation of diagnostic and therapeutic techniques using the latest technology
- An algorithm-based interactive learning system for decision-making in the clinical situations presented throughout the course
- With a special emphasis on evidence-based medicine and research methodologies in Digital Dentistry
- All of this will be complemented by theoretical lessons, questions to the expert, debate forums on controversial topics, and individual reflection assignments
- Content that is accessible from any fixed or portable device with an Internet connection
- Furthermore, you will be able to carry out a clinical internship in one of the best Clinic centers

high quality multimedia material, access is available 24 hours a day, 7 days a week"

" *Get a complete up-to-date through this degree that gives you 3 weeks of practical training, surrounded by the best dental experts"*

This Hybrid Professional Master's Degree allows you to be up to date with the digital tools used for occlusion.

From a theoretical-practical perspective, you will delve in the planning and design of Endodontics and Periodontics.

In this proposal for a Master's Degree, of a professionalizing nature and blended learning modality, the program is aimed at updating Dentist who perform their functions in clinical centers and hospitals, Spaces who require a high level of qualification. The content is based on the latest scientific evidence and is organized in a didactic way to integrate theoretical knowledge into dentistry practice. The theoretical-practical elements allow professionals to bringing their knowledge up-to-date and help them to make the right decisions in patient care.

Thanks to its multimedia content developed with the latest educational technology, they will allow the professional to learn in a contextual and situated learning environment, i.e., a simulated environment that will provide immersive learning programmed to train in real situations. This program is designed around Problem-Based Learning, whereby the physician must try to solve the different professional practice situations that arise during the course. For this purpose, the students will be assisted by an innovative interactive video system created by renowned and experienced experts.

02
Why Study this Hybrid Professional Master's Degree?

The improvement in precision, efficiency and patient experience thanks to digitalization in dentistry entails, in turn, an undeniable process of updating on the part of professionals in the sector. In this sense, TECH distinguishes itself from the rest of the academic landscape by creating a degree that provides a real response to the needs of specialists, while at the same time facilitating a first class and flexible academic option. For this reason, the graduate will obtain a complete vision of the real situation of his or her sector, being guided throughout the process by real experts in this field. no doubt, A unique opportunity that only offer this institution, the largest online university in the world.

Thanks to this university degree, you will be able to delve into real clinical environments and learn about the latest advances in Digital Dentistry from the best specialists"

1. Updating from the Latest Technology Available

The area of Digital Dentistry is marked by the most notorious technological advances. For this reason, this program brings the graduate up to date with the latest software and devices used for dental design, planning and guidance of complex surgical procedures. All this, from an integral vision that favors the students getiings up-to-date from the first day and that materializes in real situations in a first class clinical stay.

2. Gaining In-depth Knowledge from the Experience of Top Specialists

In this academic itinerary, the graduate will have the opportunity to be up-to-date in Digital Dentistry by the hand of an excellent teaching team made up of real experts in this field. An update, which also includes the accompaniment for 3 weeks by an excellent team of dentists with extensive experience in the use of the most notorious advances in the field of digitization of this health area.

3. Entering First-Class Clinical Environments

TECH carries out a meticulous selection process of both the teaching team and the dental clinical centers where the graduate will carry out his or her practical training. In this way, students have the guarantee of accessing a quality university degree, whose syllabus has been prepared by professionals of renowned prestige and in which they will be guided in situ by the best dentists.

4. Combining the Best Theory with State-of-the-Art Practice

One of the elements that stand out in this academic option is its masterful combination of a theoretical framework taught in a 100% online modality and a practice in a 100% face-to-face clinical center. In this way, the graduate will optimally achieve their up-to-date in Digital Dentistry with the convenience of being able to attend the first phase from the comfort of his or her own home, with no restricted class schedules, and a second phase fully face-to-face with the best specialists.

5. Expanding the Boundaries of Knowledge

TECH offers the possibility of taking this blended Master's Degree not only with a syllabus prepared by great experts, but also with dental professionals who work in dental centers of great national and international prestige. An excellent opportunity within everyone's reach and thanks to the initiative of this academic institution, which is distinguished by its constant search for quality.

You will have full practical immersion at the center of your choice"

03
Objectives

In the design of this Hybrid Professional Master's Degree, the graduate will have the opportunity to enhance his or her competencies and skills for dental design, planning and intervention by applying the latest technological advances. For this purpose, you will have at your disposal advanced pedagogical tools, in which TECH has used the most advanced and current techniques applied to the academic environment. In this way, the dentist will improve his or her skills to work in the most advanced dental centers both nationally and internationally.

With this program you will be up to date with the improvement of digital techniques for the realization of Invisible Orthodontics"

General Objective

- The general objective of the Hybrid Professional Master's Degree in Digital Dentistry is to show the technological applications used for the diagnosis, treatment and planning of clinical cases. In addition, the focus of this program will allow you to delve into the latest techniques used in digital orthodontics, computer-guided implant planning, and to develop communication and interdisciplinary collaboration skills

Thanks to TECH you will get your knowledge of computed tomography (CT) up-to-date, magnetic resonance imaging (MRI) and design software"
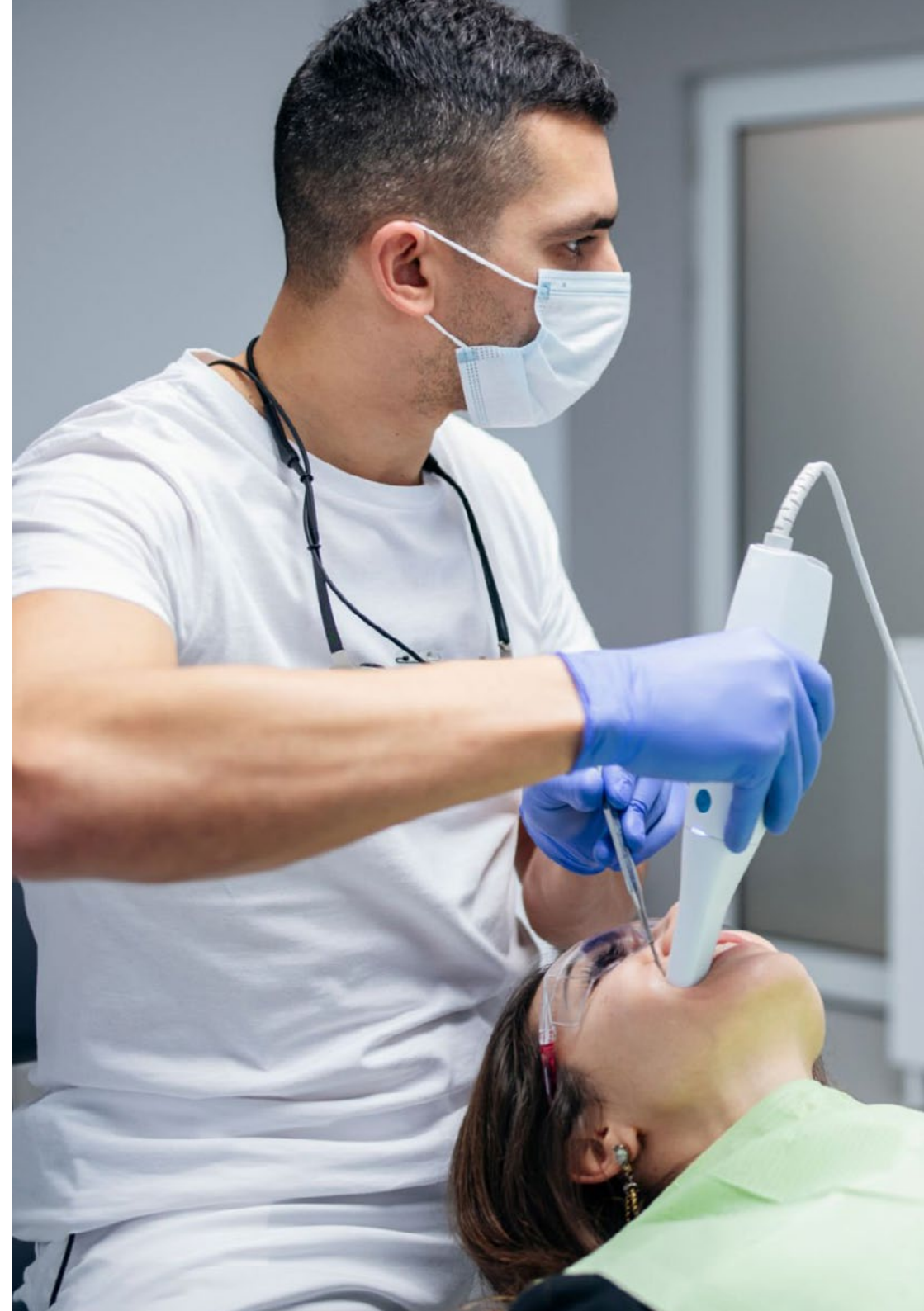
Specific Objectives

Module 1. Equipment digitization

- Understand the basic concepts of digitization and its importance in clinical practice
- Know the different types of equipment that can be digitized and the technologies used for this purpose
- Examine the use of specialized digitizing equipment and software, such as 3D scanners, digital cameras, CAD/CAM software, among others
- Develop skills in editing and manipulating digital data obtained from digitized equipment
- Understanding the ethical and legal implications of digitizing equipment, including data privacy and intellectual property
- Integrating digitized equipment into clinical practice
- Interpret and use digital data obtained from digitized equipment for clinical decision making

Module 2. Cephalometric analysis and photography

- Understand the basic concepts of cephalometric analysis and its importance in the diagnosis and planning of orthodontic and/or maxillofacial treatments
- Familiarize with the different types of cephalometric analysis and interpretation of the data obtained
- Know the different types of cameras and lighting equipment used in clinical photography
- Effectively communicate the results of cephalometric analysis and photography to the patient and the interdisciplinary team

Module 3. Closed-source design software

- Understand the basic concepts of closed source design software and its importance in the creation of software solutions
- Use closed-source design software for the creation of graphical, user interface and user experience designs
- Develop skills in editing and manipulating graphic elements, such as images, shapes and typefaces
- Understand the basic concepts of programming and how they relate to the use of closed-source design software

Module 4. Open-Source design software

- Know the main features of open-source design software, including its interface, functions and tools
- Develop skills in editing and manipulating graphic elements, such as images, shapes and typefaces
- Understand the basic concepts of programming and how they relate to the Use of Open-source design software
- Understand the philosophy of open-source software and how it differs from other types of software
- Understand the ethical and legal implications of using open-source design software, including software licensing and copyrights

## Module 5. Digital Flow and Invisible Orthodontics. Planning & Software

- Understanding the basics of invisible orthodontics and digital treatment planning
- Know the different types of digital scanning and planning technologies used in invisible orthodontics, such as intraoral scanners and planning software
- Understand the importance of pre-planning in the success of invisible orthodontic treatment
- Develop skills in the interpretation of data obtained through digital technology and its use in treatment planning
- Learn how to use the results of digital analysis to create customized aligners and other invisible orthodontic appliances

Module 6. Digital Flow and Aesthetic Planning. DSD

- Understand the basics of dental esthetic planning and the importance of digital smile design
- Learn to use digital tools for esthetic planning, such as digital photography, intraoral scanning and design softwares
- Know the techniques and protocols for performing facial and dental diagnosis, including smile analysis, midline, golden ratio and smile type
- Develop skills in patient communication to present and discuss the aesthetic treatment plan
- Integrate esthetic planning with other aspects of dental treatment, such as orthodontics, implantology and oral rehabilitation

Module 7. Digital Flow and Guided Surgery. Planning & Software

- Understanding the basics of Guided Surgery and digital treatment planning
- Use digital tools for guided surgery planning, such as Computed Tomography (CT), Magnetic Resonance Imaging (MRI), and design software
- To know the techniques and protocols for performing virtual surgical planning, including three-dimensional (3D) reconstruction of the dental and maxillofacial anatomy
- Understand the importance of pre-planning in the success of guided surgery and patient satisfaction
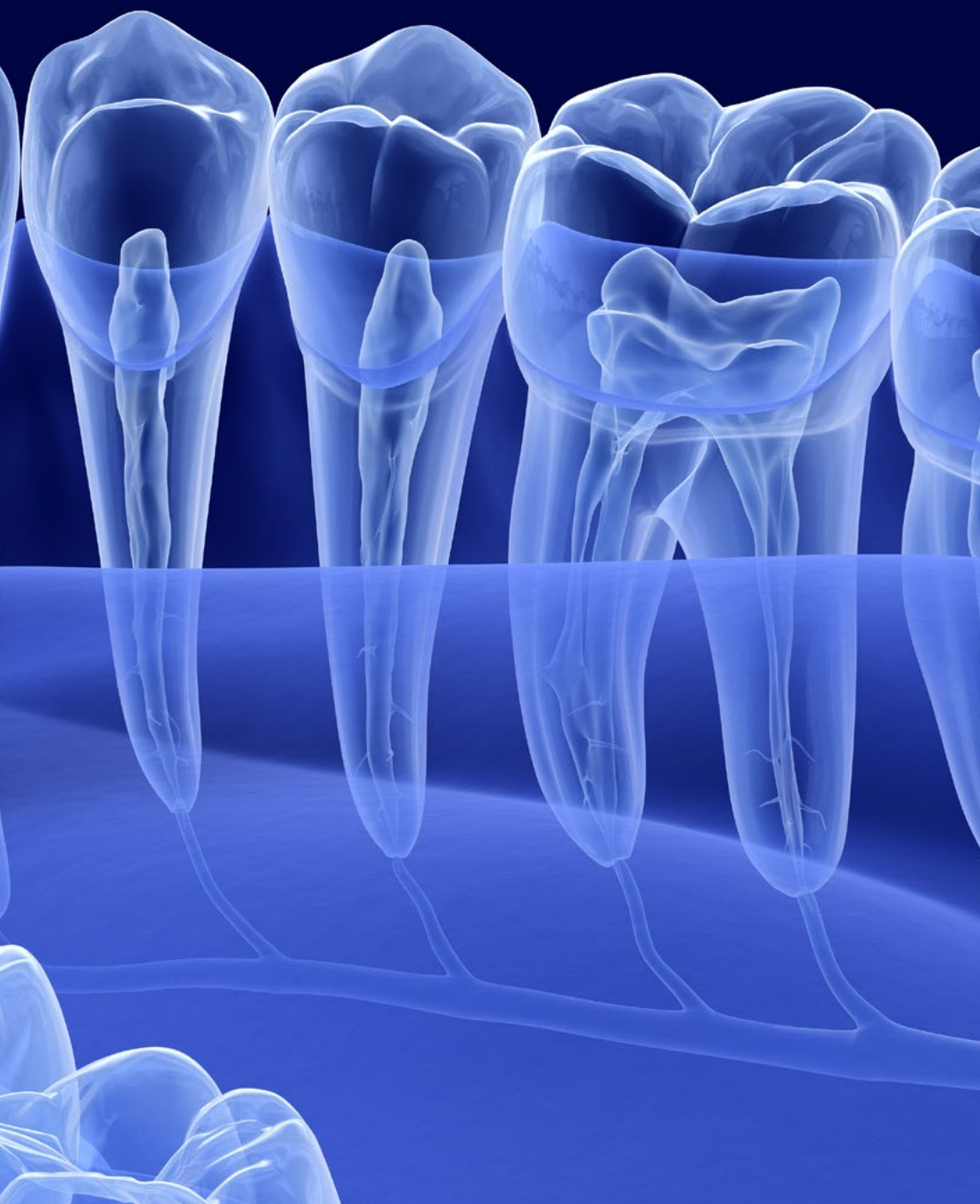
Module 8. Digital Flow. Endodontic and periodontal guides

- Understand the basic concepts of digital flow in dentistry and its application in Endodontics and Periodontics
- Learn how to use digital tools for endodontic and periodontic planning, such as computed tomography (CT) and design software
- To know the techniques and protocols for performing endodontic and periodontic planning, including three-dimensional (3D) reconstruction of the dental and Periodontal anatomy
- Design surgical and endodontic guides through the use of digital tools

Module 9. Digital Flow. Minimally invasive preparations, cam, laboratory and chairside systems

- Understand the basic principles of minimally invasive tooth preparation and its relationship to the preservation of natural tooth structure
- IIdentify the different CAM system options for the fabrication of dental restorations, both in the dental laboratory and in the dental office
- Develop skills in the use of *chairside* CAM systems, which allow the fabrication of dental restorations on the same day of the patient's appointment

Module 10. Virtual articulator and occlusion

- Understand the basic principles of dental occlusion and the importance of centric relation in the diagnosis and treatment of occlusion
- Employ digital tools for the capture of data related to dental occlusion, including the capture of images and the use of specific software
- Detect the different types of virtual articulators and their use in the planning and design of dental occlusion treatments
- Use virtual articulators for the planning and design of dental occlusion treatments

04

Skills

One of the main goals of this university degree is to ensure that students are at the forefront of Digital Dentistry. For this reason, the graduate has a theoretical-practical approach to the content, supported by simulations of case studies that bring them closer to real situations and that they can later apply during their practical stay in a reputable dental clinic.
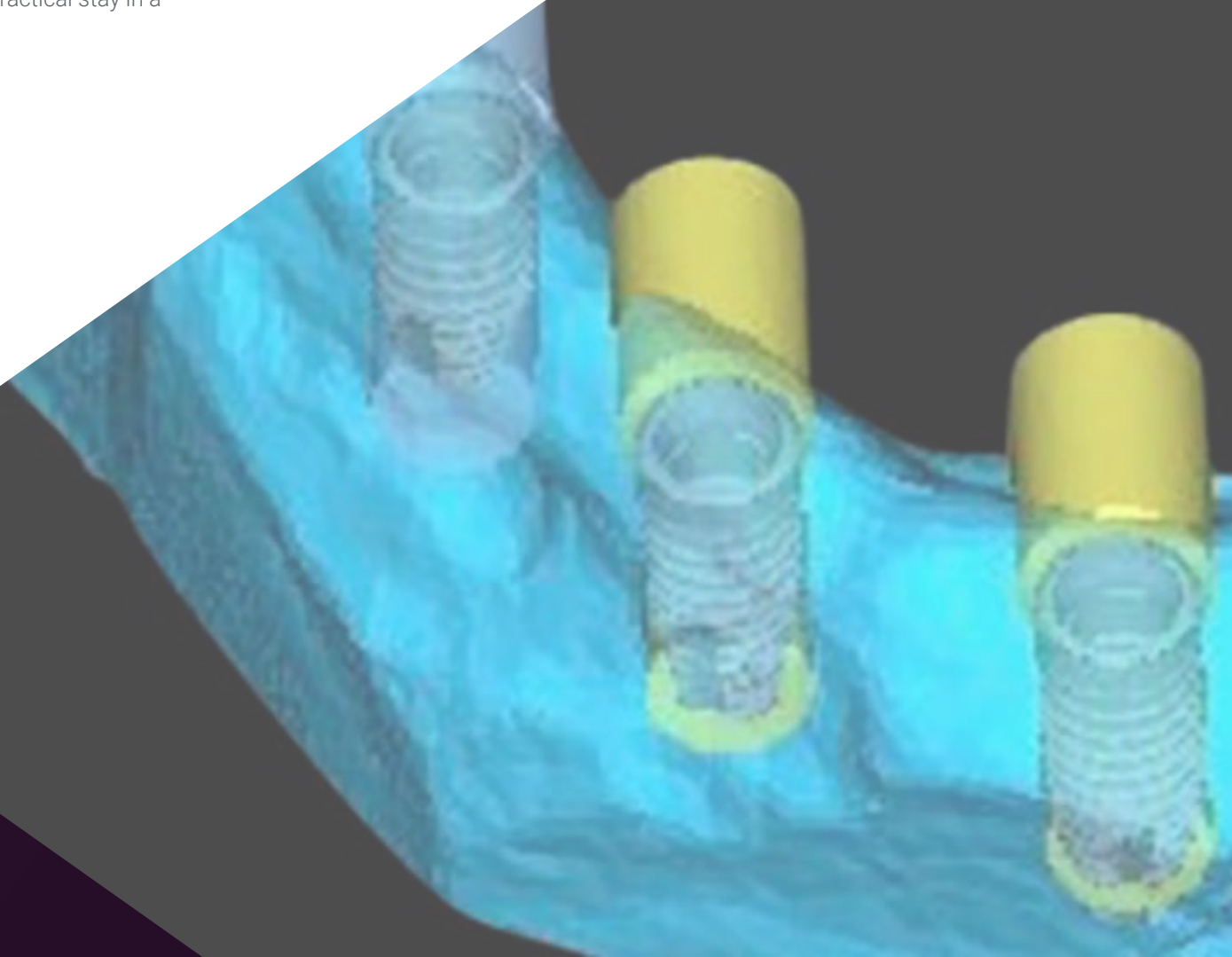
After 12 months you will master the most advanced software used for digital scanning in dental clinics"

General Skills

- Integrating digital technology into daily clinical practice
- Efficient and effective use of technology in clinical practice
- Handle design and planning software, such as CAD/CAM software, and digital scanning technology
- Using laser technology in clinical practice and dental prosthetics fabrication

Do you want to increase your skills in the planning and design of dental restorations? Do it with TECH"
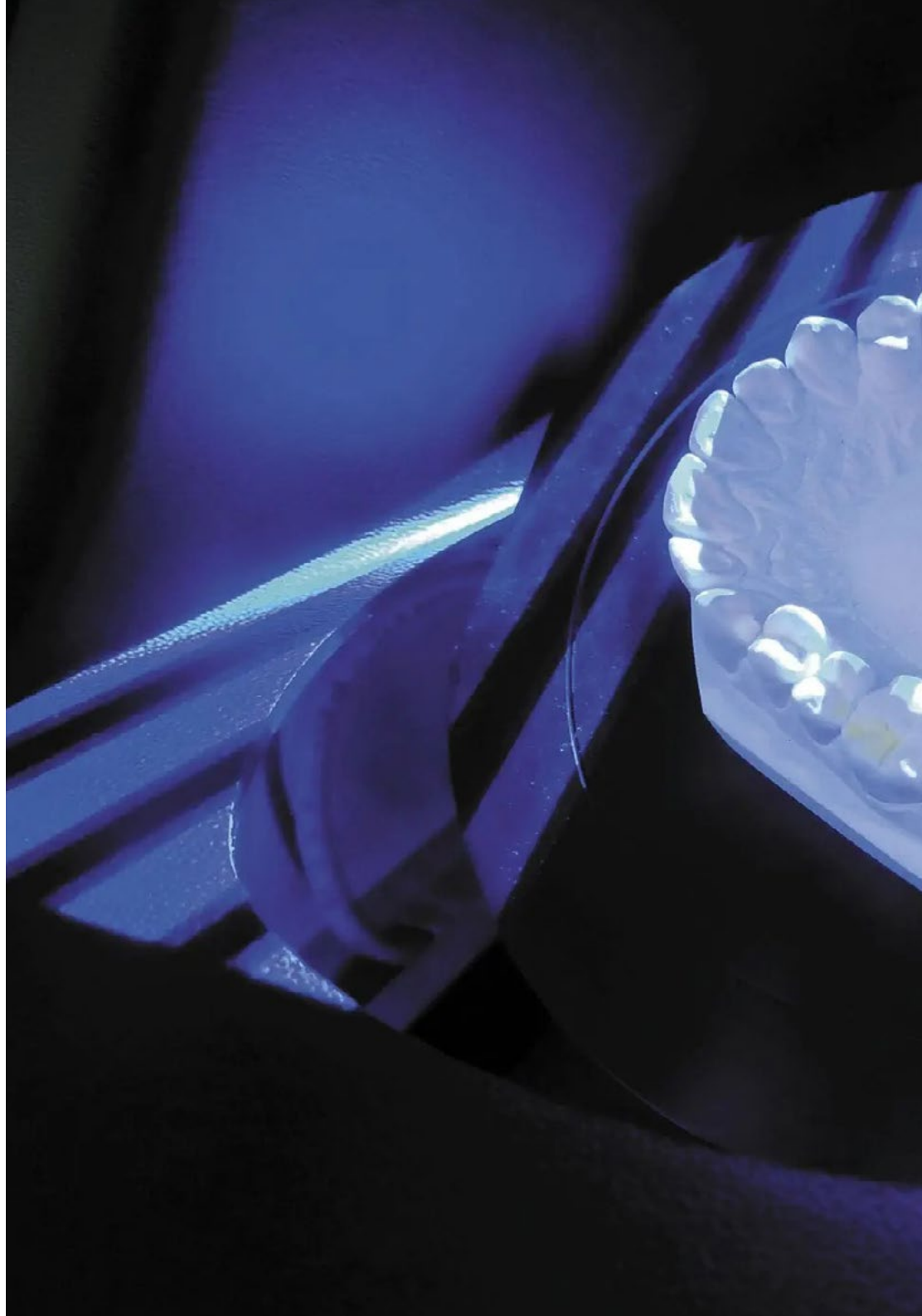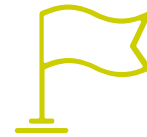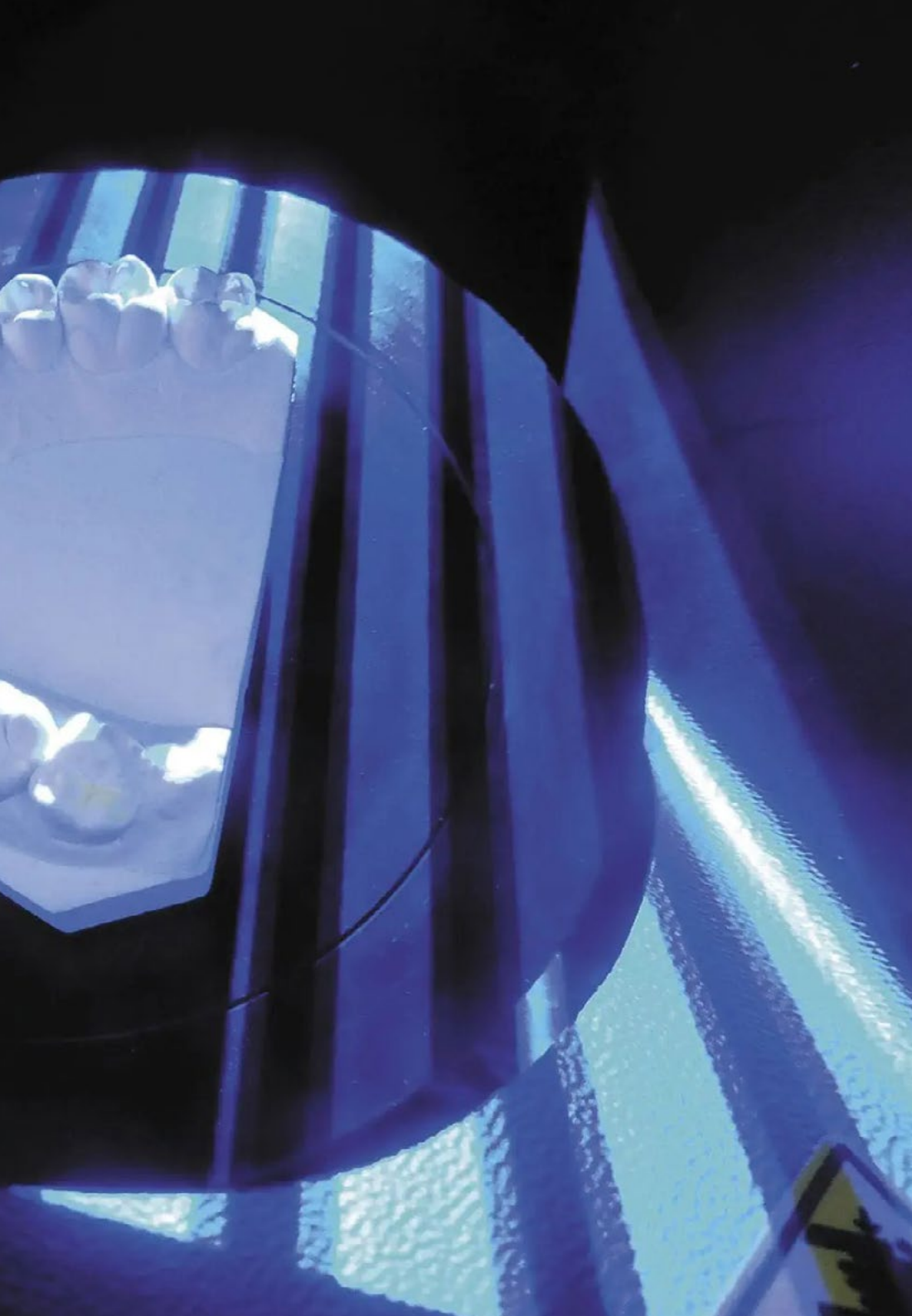
Specific Skills

- Employing specialized software for cephalometric analysis and photography
- Perform measurements and tracings on cephalometric radiographs
- Use Open-source design software for the creation of graphical, user interface and user experience designs
- Handle digital planning software to create an invisible orthodontic treatment plan and adjust tooth movements
- Design an esthetic smile through the use of digital tools such as DSD
- Carry out the design of a surgical guide through the use of digital tools
- Use Digital Tools for the planning and design of dental Restoration treatments

05
Course Management

In order to offer students a quality up-to-date, TECH has assembled an excellent team of dental professionals specialized in Implantology and Orthodontics, Oral and Maxillofacial Surgery and Dental Prosthetics. All of them are experts at the forefront of their field and have extensive clinical experience. Thanks to this, the graduate will have the guarantee of access to the most exhaustive and scientifically rigorous information.
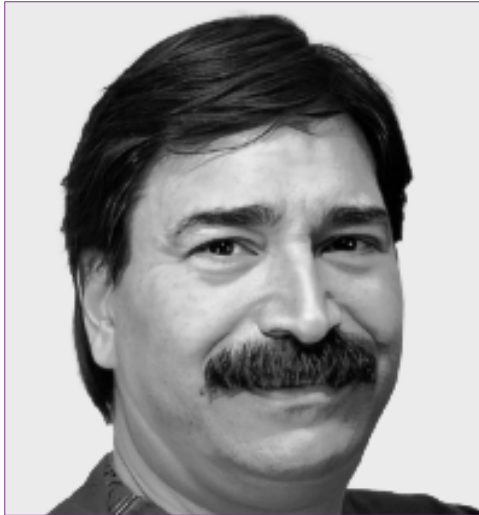
"

You will have at your disposal a high quality content, created by specialists in Orthodontics, Oral and Maxillofacial Surgery"

Management

Mr. Ulman, Darío

- Dentist specialized in Implant Dentistry and Orthodontics
- Dentist in own practice
- International intraoral scanner trainer
- Speaker Corner FONA
- Director of Dentist training courses
- Degree in Dentistry

Mr. Roisentul, Alejandro

- Director of the Oral and Maxillofacial Surgery Unit of Ziv Medical Center
- Clinical Instructor, Bar Ilan University School of Medicine
- Regional Delegate for Asia of the Latin American Association of Buccomaxillofacial Surgery and Traumatology
- President of the Israeli Association of Oral and Maxillofacial Surgeons
- Winner of numerous awards and honorable mentions

Professors

Mr. Badía Montoya, Alberto Luis
- Dentist specialized in Implant Dentistry and Orthodontics
- Creator and developer of Orthokit
- Degree in Current Pediatric from the University of Granada
- Master's Degree in Orthodontics from the University of Oviedo
- Member of: AAO, WFO, AESOR, SEDO

Ms. López, Inés
- Laboratory Manager and Cad Designer at Dentalesthetic
- Cad Designer at Denteo Cad Cam Iberia
- Cad Designer at AlignTechnology
- Superior Technician of Dental Prosthesis

Ms. Roisentul, Juliana
- Manager and dental hygienist at Roisentul Dental
- Dental hygienist in MaccabbiDent
- Dental hygienist at the ICHILOV Medical Center
- Lecturer and lecturer in charge of studies related to Photography and Dental Hygiene
- Course s Degree in Graphic Design

Ms. Maturana, María
- CAD Area Manager at Ztech Digital & Esthetics-Denteo
- 3D designer of dental prostheses at the Angel Lorenzo Chiscano Laboratory
- 3D dental prosthesis designer at Ledesma Dental S.L
- Expert in dental prosthesis in Luis Somoza Dental Laboratory

Ms. Nuche, María
- Orthodontist specialized in invisible treatments
- Orthodontist at Xplora 3D Center
- Orthodontist in Clínica Dr. Lobato
- Orthodontist at Clínica Dra. Moreno
- Author of communications for dental congresses
- Degree in Dentistry
- Master's Degree in Orthodontics

Educational Plan

The study program of this university degree brings together over 12 months, the latest information on the most advanced techniques, software and procedures used in Digital Dentistry. Therefore, thanks to this academic course, the graduate will obtain an advanced theoretical framework of great practical application. For that, An extensive library of multimedia resources, is available 24 hours a day, 7 days a week. A process that will culminate in a stay that will lead to a complete up-to-date and direct use in the best dental clinics.

(S) Sella Turcica

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(b)

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SNB	75
ANB	

"

You will have at your fingertips a study plan, complemented by numerous multimedia didactic material"

Module 1. Equipment digitization

1.1.　Video evolution
    1.1.1.　Why you should go digital
    1.1.2.　Multidisciplinary
    1.1.3.　Time/expenditure
    1.1.4.　Advantages/costs
1.2.　Digital Flow
    1.2.1.　File types
    1.2.2.　Types of meshes
    1.2.3.　Reliability
    1.2.4.　Comparison of systems
1.3.　Digital camera and digital mobile
    1.3.1.　in dentistry Lighting Techniques
    1.3.2.　Clinical Analysis Dental Photography
    1.3.3.　Aesthetic dental photography techniques
    1.3.4.　Image Editing
1.4.　Digital Radiology
    1.4.1.　Types of X-Rays:
    1.4.2.　Digital radiology technology
    1.4.3.　Taking digital dental radiographs
    1.4.4.　AI interpretation of dental radiographs
1.5.　CBCT
    1.5.1.　CBCT technology
    1.5.2. interpretation of CBCT images
    1.5.3.　Diagnostic CBCT imaging
    1.5.3.　CBCT applications in implantology
    1.5.4.　CBCT applications in Endodontics
1.6.　Dental scanner
    1.6.1.　Dentition and Soft Tissue Scanning
    1.6.2.　Digital modeling in dentistry
    1.6.3.　Design and fabrication of digital dental prostheses
    1.6.4.　Applications of dental scanners in orthodontics

1.7.　Dynamic stereoscopy
    1.7.1.　Dynamic stereoscopic imaging
    1.7.2.　Dynamic stereoscopic image interpretation
    1.7.3.　Integration of dynamic stereoscopy into the dental workflow
    1.7.4.　Ethics and safety in the use of dynamic stereoscopy
1.8.　PIC Photogranulometry
    1.8.1.　PIC phonogranulometry technology
    1.8.2.　Interpretation of phonogranulometric records PIC
    1.8.3.　Applications of PIC phonogranulometry in dental occlusion
    1.8.4.　Advantages and Disadvantages of the PIC Technique
1.9.　Facial scanner
    1.9.1.　Facial scanner recording
    1.9.2.　Data Analysis and Assessment Facial
    1.9.3.　Integration of dynamic stereoscopy into the dental workflow
    1.9.4.　Future of facial scanning in dentistry
1.10.　Files
    1.10.1.　Types of digital files in dentistry
    1.10.2.　Digital File Formats
    1.10.3.　Archive Storage and Management
    1.10.4.　Digital file security and privacy

Module 2. Cephalometric analysis and photography

2.1.　Principles of Photography
    2.1.1.　The NO Digital Image
    2.1.2.　The Digital Image
    2.1.3.　The detail
    2.1.4.　Advice
2.2.　The Photography in the Science
    2.2.1.　Uses of Photography
    2.2.2.　Case documentation
    2.2.3.　Hospital photography
    2.2.4.　Social media

Module 3. Closed-source design software

3.5. Exocad design of on Implants crowns

  3.5.1. Work order

  3.5.2. Selection of Materials

  3.5.3. Crown design on implants

  3.5.4. File export

3.6. Blender design of Geller models

  3.6.1. File Import

  3.6.2. Geller Model Design

  3.6.3. Geller Model Data Science

  3.6.4. Geller Model Fabrication

3.7. Blender design of discharge cell design

  3.7.1. File Import

  3.7.2. Business Model Design

  3.7.3. Geller Model Data Science

  3.7.4. Geller Model Fabrication

3.8. Blender design of Occlusal

  3.8.1. File Import

  3.8.2. Geller Model Design

  3.8.3. Geller Model Data Science

  3.8.4. Geller Model Fabrication

3.9. Blender design of Occlusal

  3.9.1. Blender software functions and tools for occlusal mapping

  3.9.2. Occlusal map

  3.9.3. Occlusal map interpretation

  3.9.4. Occlusal map Analysis

3.10. Design with Blender for 3D printing model preparation

  3.10.1. Data Science

  3.10.2. Model selection

  3.10.3. Digital model repair

  3.10.4. Model labeling and export

Module 4. Open-Source design software

4.1. Mesh Meshmixer design

  4.1.1. Meshmixer software functions and tools on meshes

  4.1.2. Mesh Import

  4.1.3. Mesh repair

  4.1.4. Model printing

4.2. Mirror copy Meshmixer design

  4.2.1. Meshmixer software functions and tools Copies on mirror

  4.2.2. Tooth design

  4.2.3. Model export

  4.2.4. Mesh adjustment

4.3. Temporary screw-in Meshmixer design

  4.3.1. Functions and tools of the Meshmixer software in screw-in

  4.3.2. Screw-in design

  4.3.3. Screw-in manufacturing

  4.3.4. Screw-in Adjustment and placement

4.4. Meshmixer design with provisional eggshell

  4.4.1. Eggshell Meshmixer software functions and tools

  4.4.2. Eggshell design

  4.4.3. Eggshell manufacturing

  4.4.4. Eggshell adjustment and placement

4.5. Libraries

  4.5.1. Import of libraries

  4.5.2. Different uses

  4.5.3. Autosave

  4.5.4. Data recovery

4.6. Design with BSB of tooth-supported splints

  4.6.1. Basis of use

  4.6.2. Types

  4.6.3. Guided Surgery Systems

  4.6.4. Fabrication

4.7.   Crown and bridge design

    4.7.1.   File Import

    4.7.2.   Crown design

    4.7.3.   Bridge design

    4.7.4.   File export

4.8.   Denture

    4.8.1.   File Import

    4.8.2.   Denture design

    4.8.3.   Tooth design

    4.8.4.   File export

4.9.   Model editing

    4.9.1.   BSB software functions and tools for Immediate Implant

    4.9.2.   Immediate implant design

    4.9.3.   Immediate implant Fabrication

    4.9.4.   Immediate implant fitting and placement

4.10.   Chairside Splints

    4.10.1.   BSB software functions and tools for surgical

    4.10.2.   Surgical splint design

    4.10.3.   Surgical splint Fabrication

    4.10.4.   Surgical splint fitting and placement

Module 5. Digital Flow and Invisible Orthodontics. Planning & Software

5.1.   Different software available for creating

    5.1.1.   Open-ource

    5.1.2.   BSB

    5.1.3.   Closed-Source

    5.1.4.   Teacher

5.2.   Nemocast

    5.2.1.   Import, orientation

    5.2.2.   Top and bottom model segmentation

    5.2.3.   Setup and placement of attachments

    5.2.4.   Stl Export

5.3.   Blue Sky Bio

    5.3.1.   Import, orientation

    5.3.2.   Top and bottom model segmentation

    5.3.3.   Setup and placement of attachments

    5.3.4.   Stl Export

5.4.   Teacher

    5.4.1.   Import, orientation

    5.4.2.   Top and bottom model segmentation

    5.4.3.   Setup and placement of attachments

    5.4.4.   Stl Export

5.5.   Study Models

    5.5.1.   Types of Studies Models

    5.5.2.   Advantages and Disadvantages of the digital study Model

    5.5.3.   Process of scanning physical study models

    5.5.4.   Process of creation Digital study models

5.6.   Template placement for brackets

    5.6.1.   What is a bracket template?

    5.6.2.   Design

    5.6.3.   Materials Used

    5.6.4.   Adjustments

5.7.   Masks and positioning guides for cofferdams

    5.7.1.   What are attachments in invisible orthodontics?

    5.7.2.   Masks and positioning guides for cofferdams?

    5.7.3.   Design and manufacturing process for masks and positioning guides for cofferdam attachments

    5.7.4.   Masks and positioning guides for cofferdams

5.8.   Different brands of invisible aligners

    5.8.1.   Invisaline

    5.8.2.   Spark

    5.8.3.   Smilers

    5.8.4.   Clear Correct

5.9.   Digital Mockup

    5.9.1.   Concept and application of Digital Mockup in invisible orthodontics

    5.9.2.   Workflow for the creation of a Digital Mockup

    5.9.3.   Use of digital tools for case planning in invisible orthodontics

    5.9.4.   Analysis of clinical cases and examples of the application of Digital Mockup

5.10.   Mouth scanning

    5.10.1.   Upper Jaw 3D

    5.10.2.   Lower Jaw

    5.10.3.   Bites

    5.10.4.   Revision of the Model

Module 6. Digital Flow and Aesthetic Planning. DSD

6.1.   DSD

    6.1.1.   Proportions 2 D

    6.1.2.   Proportions 3 D

    6.1.3.   Aesthetic planning

    6.1.4.   File export

6.2.   Software

    6.2.1.   DSD1

    6.2.2.   Design export

    6.2.3.   Aesthetic planning

    6.2.4.   File export

6.3.   Design

    6.3.1.   Virtual simulation of treatments and its importance in esthetic planning

    6.3.2.   Designing esthetic dental restorations using digital design

    6.3.3.   Tooth preparation techniques for the design of esthetic dental restorations

    6.3.4.   Cementing and bonding techniques for esthetic dental restorations

6.4.   Proportions

    6.4.1.   Dental and facial anatomy applied to the analysis of proportions

    6.4.2.   Ideal dental and facial proportions in the smile and their relationship to facial aesthetics

    6.4.3.   Importance of ratio analysis in implant dentistry treatment planning

    6.4.4.   Integration of proportion analysis into the patient's overall esthetic planning

6.5.   Mockup fabrication

    6.5.1.   Use of mockup in aesthetic treatment planning

    6.5.2.   Use of mockup in implant dentistry treatment planning

    6.5.3.   Use of mockup for smile design presentation to the patient and interdisciplinary communication

    6.5.4.   Integration of the digital flow in the manufacture of mockups

6.6.   Color Acquisition

    6.6.1.   Data Science

    6.6.2.   Heat Map

    6.6.3.   Laboratory communication

    6.6.4.   Communication with Patient

6.7.   Vitamin

    6.7.1.   Equipment

    6.7.2.   Color Acquisition Zones

    6.7.3.   Limitations

    6.7.4.   Compatibility with guides

6.8.   Rayplicker

    6.8.1.   Color Acquisition

    6.8.2.   Advantages

    6.8.3.   Compatibilities

    6.8.4.   Translucency

6.9.   Materials

    6.9.1.   Zirconium

    6.9.2.   PMMA

    6.9.3.   Graphene

    6.9.4.   Zirconium plus ceramic

6.10.   Connection with the Laboratory

    6.10.1.   Connection software

    6.10.2.   Use of digital models in the planning of dental work with the dental laboratory

    6.10.3.   Interpretation of reports and digital models received from the dental laboratory

    6.10.4.   Management of the differences between digital models and dental work fabricated in the dental laboratory

Module 7. Digital Flow and Guided Surgery. Planning & Software

7.1. Guided Surgery

7.1.1. Digital imaging technology and its use in guided surgery planning

7.1.2. Virtual planning of guided implants and their integration into clinical practice

7.1.3. Surgical splint design and its importance in guided surgery

7.1.4. Step-by-step guided surgery procedures and their clinical implementation

7.2. Guided Surgery Kit

7.2.1. Design and production of customized guided surgery kits for each case

7.2.2. Implementation of guided surgery kits in the digital workflow in the dental practice

7.2.3. Assessment of the accuracy of guided surgery kits in the planning and execution of guided surgery

7.2.4. Integration of guided surgery kits with guided surgery planning software and its impact on clinical efficiency

7.3. Nemoscan

7.3.1. File Import

7.3.2. Implant placement

7.3.3. Splint design

7.3.4. Stl Export

7.4. BSB

7.4.1. File Import

7.4.2. Implant placement

7.4.3. Splint design

7.4.4. Stl Export

7.5. BSP digital workflow

7.5.1. Design and production of occlusal splints using the BSP digital workflow

7.5.2. Assessment of the accuracy of occlusal splints produced with the BSP digital workflow

7.5.3. BSP digital workflow integration in the dental practice

7.5.4. Use of the BSP digital workflow in orthodontic treatment planning and delivery

7.6. Implant placement

7.6.1. Virtual planning of dental implant placement using 3D design software

7.6.2. Simulation of implant placement on 3D patient models

7.6.3. Use of surgical guides and guided surgery techniques in the placement of dental implants

7.6.4. Evaluation of the accuracy and effectiveness of implant placement with guided surgery

7.7. Design with BSB of tooth-supported splints

7.7.1. Functions and tools of BSB software in mucus-supported splints

7.7.2. Design of mucus-supported splints

7.7.3. Manufacture of mucus-supported splints

7.7.4. Fabrication of mucus-supported splints

7.8. Design of single implants with BSB

7.8.1. BSB software functions and tools for Unitary Implant

7.8.2. Unitary implant design

7.8.3. Unitary implant Fabrication

7.8.4. Unitary implant fitting and placement

7.9. Design of immediate implants with BSB

7.9.1. BSB software functions and tools for Immediate Implant

7.9.2. Immediate implant design

7.9.3. Immediate implant Fabrication

7.9.4. Immediate implant fitting and placement

7.10. Design with BSB of design of tooth-supported splints

7.10.1. BSB software functions and tools for surgical

7.10.2. Surgical splint design

7.10.3. Surgical splint Fabrication

7.10.4. Surgical splint fitting and placement

Module 8. Digital Flow. Endodontic and periodontal guides

8.1.   Endodontic guides

    8.1.1.   Virtual planning of Endodontic guides placement using 3D design software

    8.1.2.   Assessment of the accuracy and effectiveness of digital flow for endodontic guide placement

    8.1.3.   Material selection and 3D printing techniques for the production of endodontic guides

    8.1.4.   Use of endodontic guides for root canal preparation

8.2.   Import file in endodontic guides

    8.2.1.   2D and 3D image file processing for virtual planning of endodontic guidewire placement

    8.2.2.   Assessment of the accuracy and effectiveness of digital flow for endodontic guide Education

    8.2.3.   Selection of 3D design software and file formats for import into endodontic guide planning

    8.2.4.   Customized design of endodontic guides using imported medical imaging files

8.3.   Localization of the canal in endodontic guides

    8.3.1.   Digital image processing for virtual planning of root canal location in endodontic guidewires

    8.3.2.   Assessment of the accuracy and effectiveness of digital flow for endodontic guide Education

    8.3.3.   Selection of 3D design software and file formats for root canal location into endodontic guide planning

    8.3.4.   Customized design of endodontic guides using root canal location in planning

8.4.   Fixing the endodontic guide ring

    8.4.1.   Assessment of different types of rings and their relationship to endodontic guidance accuracy

    8.4.2.   Material selection and 3D printing techniques for the production of endodontic guides

    8.4.3.   Assessment of the accuracy and effectiveness of digital flow for endodontic guide Education

    8.4.4.   Customized design of Endodontic guides Fixation using 3D design software

8.5.   Dental anatomy and periapical structures in endodontic guides

    8.5.1.   Identification of key anatomical structures in the planning of endodontic guides

    8.5.2.   Anatomy of anterior and posterior teeth and its implications in endodontic guide planning

    8.5.3.   Considerations of and variations in the planning of endodontic guides

    8.5.4.   Dental anatomy in the planning of endodontic guides for complex treatments

8.6.   Periodontal guides

    8.6.1.   Design and production of periodontal guides using digital planning software

    8.6.2.   Importing and recording CBCT image data for periodontal guide planning

    8.6.3.   Periodontal guide fixation techniques to ensure accuracy in surgery

    8.6.4.   Digital workflows for bone and soft-tissue graft placement in guided periodontal surgery

8.7.   Import file in periodontal guides

    8.7.1.   Types of files used in the import of digital periodontal guides

    8.7.2.   Procedure for importing image files for the creation of digital periodontal guides

    8.7.3.   Technical considerations for file import in digital periodontal guide planning

    8.7.4.   Selection of suitable software for importing files into digital periodontal guides

8.8.   Coronary lengthening guide design in periodontal guides

    8.8.1.   Definition and concept of coronary lengthening guide in dentistry

    8.8.2.   Indications and contraindications for the use of coronary lengthening guides in dentistry

    8.8.3.   Procedure for the digital design of coronary lengthening guidewires using specific software

    8.8.4.   Anatomical and esthetic considerations for the design of coronary lengthening guides in digital dentistry

8.9.   stl export in periodontal guides

    8.9.1.   Dental anatomy and periodontal structures relevant to the design of periodontal and endodontic guides

    8.9.2.   Digital technologies used in the planning and design of endodontic and periodontal guides, such as computed tomography, magnetic resonance imaging and digital photography

    8.9.3.   Periodontal guide design

    8.9.4.   Endodontic guide design

8.10.   Dental anatomy and periodontal structures

    8.10.1.   Virtual dental and periodontal anatomy

    8.10.2.   Design of customized periodontal guides

    8.10.3.   Evaluation of periodontal health using digital radiographs

    8.10.4.   Guided periodontal surgery techniques

Module 9. Digital Flow. Minimally invasive preparations, cam, laboratory and chairside systems

9.1.   First fit veneer system

    9.1.1.   Record Keeping

    9.1.2.   Web Upload

    9.1.3.   Mockup

    9.1.4.   Milling sequence

9.2.   Cementation in the clinic

    9.2.1.   Types of dental cements and their properties

    9.2.2.   Selection of the appropriate dental cement for each clinical case

    9.2.3.   Cementation protocol for veneers, crowns and bridges

    9.2.4.   Preparation of the tooth surface prior to cementation

9.3.   Laboratory

    9.3.1.   Digital dental materials: types, properties and applications in Dentistry

    9.3.2.   Fabrication of ceramic veneers and crowns with CAD/CAM systems

    9.3.3.   Fabrication of fixed bridges using CAD/CAM systems

    9.3.4.   Fabrication of prosthesis using CAD/CAM systems

9.4.   3D Printing

    9.4.1.   Types of 3D printers used in digital dentistry

    9.4.2.   Design and 3D printing of studio and working models

    9.4.3.   3D printing of surgical guides and surgical splints

    9.4.4.   3D printing of surgical guides and surgical splints

    9.4.5.   3D printing of Dental Prostheses

9.5.   XY resolution and Z resolution

    9.5.1.   Selection and use of materials for digital dental restorations

    9.5.2.   Integration of digital dentistry in the clinic

    9.5.3.   XY resolution and Z resolution 3D printers

    9.5.4.   Virtual planning of dental restoration

Module 10. Virtual articulator and occlusion

10.1. Virtual articulator

    10.1.1. Virtual articulator and its use in the planning of dental prostheses in digital dentistry

    10.1.2. New techniques and digital technologies for the use of virtual articulators in digital dentistry

    10.1.3. Occlusion in Digital Dentistry and its relation with the use of virtual articulator

    10.1.4. Digital occlusion planning and the use of the virtual articulator in esthetic dentistry

10.2. TEKSCAN

    10.2.1. File Import

    10.2.2. Implant placement

    10.2.3. Splint design

    10.2.4. Stl Export

10.3. TEETHAN

    10.3.1. File Import

    10.3.2. Implant placement

    10.3.3. Splint design

    10.3.4. Stl Export

10.4. Different virtual articulators

    10.4.1. The most important ones

    10.4.2. Development and application of virtual articulator technologies in the evaluation and treatment of temporomandibular disorders (TMD)

    10.4.3. Application of virtual articulator technologies in the planning of dental prostheses in digital dentistry

    10.4.4. Use of virtual articulator technologies in the assessment and diagnosis of Personality Disorder of dental the occlusion in digital dentistry

10.5. Design of dental restorations and prostheses with virtual articulator

    10.5.1. Use of virtual articulator in the design and fabrication of removable partial dentures in digital dentistry

    10.5.2. Design of dental restorations with virtual articulator for patients with dental occlusion disorders in digital dentistry

    10.5.3. Total denture design with virtual articulator in digital dentistry: planning, execution and follow-up

    10.5.4. Use of virtual articulator in interdisciplinary orthodontic planning and design in digital dentistry

10.6. MODJAW

    10.6.1. Use of MODJAW in orthodontic planning of treatments in digital dentistry

    10.6.2. Application of MODJAW in the assessment and diagnosis of temporomandibular disorders (TMD) in digital dentistry

    10.6.3. Use of MODJAW in the planning of dental prostheses in digital dentistry

    10.6.4. MODJAW and its relationship to dental esthetics in digital dentistry

10.7. Positioning

    10.7.1. Files

    10.7.2. Tiara

    10.7.3. Butterfly

    10.7.4. Models

10.8. Transaction log

    10.8.1. Protrusion

    10.8.2. Opening

    10.8.3. Lateralities

    10.8.4. Chewing

10.9. Mandibular axis location

    10.9.1. Centric Relation

    10.9.2. Maximum opening without displacement

    10.9.3. Click log

    10.9.4. Bite restructuring

10.10. Export to design programs

    10.10.1. Use of export to design programs in orthodontic treatment planning in digital dentistry

    10.10.2. Application of export to design programs in the planning and design of dental prostheses in digital dentistry

    10.10.3. Export to design programs and its relationship to dental esthetics in digital dentistry

    10.10.4. Export to design programs in the assessment and diagnosis of dental occlusion disorders in Digital Dentistry

With this university proposal you will up-to-date your knowledge on the use of MODJAW in orthodontic treatment planning in Digital Dentistry"

Clinical Internship

Once the online theoretical period is over, this blended master's degree includes a practical training phase in a state-of-the-art clinical center. In this scenario, the graduate will have at his disposal an excellent team of dentists who are constantly updating their knowledge and are aware of the application of Digital Dentistry in the most complex clinical cases.

TECH selects for you the best dental centers where you can spend 3 weeks of practical training"

This academic institution has designed for this program an eminently practical stay of 3 weeks, which will allow the dentist to get they skills and abilities up-to-date in Digital Dentistry. A process that is the culmination of a previous theoretical process. In this journey, the graduate will not be alone, since he/she will be accompanied and tutored by a first level dental professional, who will guide him/her during the actions carried out in this phase.

In this training proposal, completely practical in nature, the activities are aimed at developing and perfecting the skills necessary for the provision of healthcare in areas and conditions that require a high level of qualification, and which are oriented to the specific training for the exercise of the activity, in a safe environment for the patient and a high professional performance.

It is an excellent opportunity to keep abreast of the latest technology in a high-value healthcare environment, which will increase the great clinical and healthcare potential of the dentist. In this way, TECH offers a new way of understanding and integrating present and future innovation in this branch of healthcare, from the simplest to the most complex cases, always respecting precision, patient safety and the quality of diagnostic and therapeutic procedures.

The practical education will be carried out with the active participation of the student performing the activities and procedures of each area of competence (learning to learn and learning to do), with the accompaniment and guidance of teachers and other fellow trainees that facilitate teamwork and multidisciplinary integration as transversal competencies for Current Pediatric practice (learning to be and learning to relate).

The procedures described below will form the basis of the practical part of the internship, and their implementation is subject to both the suitability of the patients and the availability of the center and its workload, with the proposed activities being as follows:

This program will allow you to attend interventions where state-of-the-art technology is key in both planning and execution"

Module	Practical Activity
Guided Surgery Planning Techniques	Participate in dental implant planning and placement procedures using specialized software and scanning technology
	Collaborate in the planning of clinical cases
	Assess radiographic images, intraoral scans, and digital models to design the precise placement of dental implants
	Assist in Guided Surgeries
Educational Endodontic and periodontal guides	Virtual Collaborate in the of Endodontic guides placement using 3D design software
	Assist in Assessment e the accuracy and effectiveness of digital flow for endodontic guide placement
	Be part of the production of periodontal guides using digital planning software
	Apply Periodontal guide fixation techniques to ensure accuracy in surgery
Use of Software for Digital Dentistry	Participate in the analysis of radiographic images, intraoral scans and digital models and digital models
	Use software to make accurate measurements, design dental restorations and simulate treatment outcomes
	Employ software to keep detailed track of your patients' cases
	Record relevant information such as intraoral images, digital radiographs and past treatment data
Technological techniques for diagnosis of dental occlusion disorders	Employ simulation and planning software for dental occlusion interventions
	Use Virtual articulator for Digital La Dentistry
	Collaborate in the most advanced techniques for the assessment of dental occlusion
	Explore and become familiar with simulation and planning software used in Digital Dentistry for the diagnosis of dental occlusion disorders

Civil Liability Insurance

This institution's main concern is to guarantee the safety of the trainees and other collaborating agents involved in the internship process at the company. Among the measures dedicated to achieve this is the response to any incident that may occur during the entire teaching-learning process.

To this end, this entity commits to purchasing a civil liability insurance policy to cover any eventuality that may arise during the course of the internship at the center.

This liability policy for interns will have broad coverage and will be taken out prior to the start of the practical training period. That way professionals will not have to worry in case of having to face an unexpected situation and will be covered until the end of the internship program at the center.

General Conditions for Practical Training

The general terms and conditions of the internship agreement for the program are as follows:

1. TUTOR: During the Hybrid Professional Master's Degree, students will be assigned with two tutors who will accompany them throughout the process, answering any doubts and questions that may arise. On the one hand, there will be a professional tutor belonging to the internship center who will have the purpose of guiding and supporting the student at all times. On the other hand, they will also be assigned with an academic tutor whose mission will be to coordinate and help the students during the whole process, solving doubts and facilitating everything they may need. In this way, the student will be accompanied and will be able to discuss any doubts that may arise, both clinical and academic.

2. DURATION: The internship program will have a duration of three continuous weeks, in 8-hour days, 5 days a week. The days of attendance and the schedule will be the responsibility of the center and the professional will be informed well in advance so that they can make the appropriate arrangements.

3. ABSENCE: If the students does not show up on the start date of the Hybrid Professional Master's Degree, they will lose the right to it, without the possibility of reimbursement or change of dates. Absence for more than two days from the internship, without justification or a medical reason, will result in the professional's withdrawal from the internship, therefore, automatic termination of the internship. Any problems that may arise during the course of the internship must be urgently reported to the academic tutor.

4. CERTIFICATION: Professionals who pass the Hybrid Professional Master's Degree will receive a certificate accrediting their stay at the center.

5. EMPLOYMENT RELATIONSHIP: the Hybrid Professional Master's Degree shall not constitute an employment relationship of any kind.

6. PRIOR EDUCATION: Some centers may require a certificate of prior education for the Hybrid Professional Master's Degree. In these cases, it will be necessary to submit it to the TECH internship department so that the assignment of the chosen center can be confirmed.

7. DOES NOT INCLUDE: The Hybrid Professional Master's Degree will not include any element not described in the present conditions. Therefore, it does not include accommodation, transportation to the city where the internship takes place, visas or any other items not listed

However, students may consult with their academic tutor for any questions or recommendations in this regard. The academic tutor will provide the student with all the necessary information to facilitate the procedures in any case.

Where Can I Do the Clinical Internship?

This blended Master's program has been designed to offer the most comprehensive up-to-date in Digital Dentistry. In order for the graduate to obtain a quality academic process, TECH has selected the leading clinical centers in this field. With this careful selection, students are guaranteed access to a practical period in clinical centers that provide a real response to their needs for updating in one of the most cutting-edge and sought-after fields in this medical area.
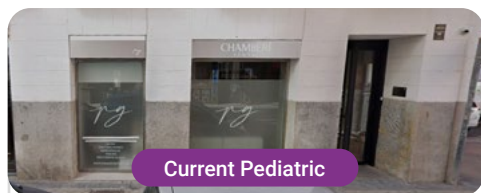
Access to a prestigious clinical center and perform the best practices in Digital Dentistry"

The student will be able to complete the practical part of this Hybrid Professional Master's Degree at the following centers:

Current Pediatric

Clínica Chamberí Dental

Country
Spain

City
Madrid

Address: Calle Palafox 11, Madrid

Clinic specializing in Dentistry and Aesthetic Medicine

Related internship programs:
- Dental Clinic
Management and Direction
- Aesthetic Medicine Integrals for Dentists

Current Pediatric

Clínica Dental Martínez Valdebebas

Country
Spain

City
Madrid

Address: C/ Josefina Aldecoa 40, Bajo A,
28055, Madrid

Center for dental care and dental
from esthetics.

Related internship programs:
- Orthodontics and Dentofacial Orthopedics

Current Pediatric

Clínica Dental Martínez Sanchinarro

Country
Spain

City
Madrid

Address: C/ Vicente Blasco Ibáñez 19, portal H
bajo B, 28050, Madrid

Center for dental care and dental
from esthetics.

Related internship programs:
- Implantology and Oral Surgery
- Orthodontics and Dentofacial Orthopedics

Current Pediatric

Clínica Dental T4 Valdebebas

Country
Spain

City
Madrid

Address: C/ José Antonio Fernández Ordóñez 51,
local 2, 28055, Madrid

Center for dental care and dental
from esthetics.

Related internship programs:
- Implantology and Oral Surgery
- Orthodontics and Dentofacial Orthopedics

Current Pediatric

Clínica Milenium Dental
Dr. Esquerdo

Country
Spain

City
Madrid

Address: C/ Dr. Esquerdo 10, 28028, Madrid

Clinical Care Center for Oral Health Promotion

Related internship programs:
- Implantology and Oral Surgery

Current Pediatric

DentalSalud

Country
Spain

City
Madrid

Address: Calle Francos Rodríguez, 48, 28039, Madrid

Dental clinic specializing in various areas of dentistry
dental areas

Related internship programs:
- Dental Clinic
Management and Direction
- Periodontics and Mucogingival Surgery
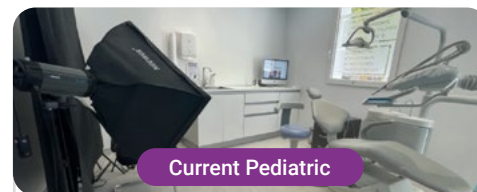
Current Pediatric

Estudio dental Dra. Katherine Durán

Country
Spain

City
Madrid

Address: Calle de Montesa, 24, 28006 Madrid

Clinic specialized in high aesthetic dentistry, dental
implants and orthodontics.

Related internship programs:
- Aesthetic Medicine Integrals for Dentists
- Adhesive Aesthetic Dentistry

Current Pediatric

Clínica dental Origen
(Torrelodones)

Country
Spain

City
Madrid

Address: Plaza del Caño, 3, 28250
Torrelodones, Madrid

At Origen Dental, we offer innovative dental hygiene
and periodontal treatments to maintain healthy teeth
and gums and prevent dental problems.

Related internship programs:
- Endodontics and Apical Microsurgery
- Implantology and Oral Surgery

Current Pediatric

Clínica dental Origen (Villaviciosa de Odón)

Country
Spain

City
Madrid

Address: Calle Cueva de la Mora, 7, 28670 Villaviciosa de Odón, Madrid

At Origen Dental, we offer innovative dental hygiene and periodontal treatments to maintain healthy teeth and gums and prevent dental problems.

Related internship programs:
- Endodontics and Apical Microsurgery
- Implantology and Oral Surgery

Methodology

This academic program offers students a different way of learning. Our methodology uses a cyclical learning approach: **Relearning.**

This teaching system is used, for example, in the most prestigious medical schools in the world, and major publications such as the **New England Journal of Medicine** have considered it to be one of the most effective.

Discover Relearning, a system that abandons conventional linear learning, to take you through cyclical teaching systems: a way of learning that has proven to be extremely effective, especially in subjects that require memorization"

At TECH we use the Case Method

In a given situation, what should a professional do? Throughout the program, students will face multiple simulated clinical cases, based on real patients, in which they will have to do research, establish hypotheses, and ultimately resolve the situation. There is an abundance of scientific evidence on the effectiveness of the method. Specialists learn better, faster, and more sustainably over time.

With TECH you will experience a way of learning that is shaking the foundations of traditional universities around the world.

According to Dr. Gérvas, the clinical case is the annotated presentation of a patient, or group of patients, which becomes a "case", an example or model that illustrates some peculiar clinical component, either because of its teaching power or because of its uniqueness or rarity. It is essential that the case is based on current professional life, trying to recreate the real conditions in the dentist's professional practice.

"*Did you know that this method was developed in 1912, at Harvard, for law students? The case method consisted of presenting students with real-life, complex situations for them to make decisions and justify their decisions on how to solve them. In 1924, Harvard adopted it as a standard teaching method*"

The effectiveness of the method is justified by four fundamental achievements:

1. Dentists who follow this method not only grasp concepts, but also develop their mental capacity by means of exercises to evaluate real situations and apply their knowledge.

2. Learning is solidly translated into practical skills that allow the student to better integrate into the real world.

3. Ideas and concepts are understood more efficiently, given that the example situations are based on real-life.

4. Students like to feel that the effort they put into their studies is worthwhile. This then translates into a greater interest in learning and more time dedicated to working on the course.

Relearning Methodology

At TECH we enhance the case method with the best 100% online teaching methodology available: Relearning.

This university is the first in the world to combine the study of clinical cases with a 100% online learning system based on repetition, combining a minimum of 8 different elements in each lesson, a real revolution with respect to the mere study and analysis of cases.

The student will learn through real cases and by solving complex situations in simulated learning environments. These simulations are developed using state-of-the-art software to facilitate immersive learning.

- 01 learning from evidence
- 02 relearning from evidence
- 03 testing
- 04 learning from an expert
- 05 neurocognitive context dependent learning
- 06 Von-Restorff effect
- 07 case based learning through storytelling
- 08 competencies testing (retesting)

At the forefront of world teaching, the Relearning method has managed to improve the overall satisfaction levels of professionals who complete their studies, with respect to the quality indicators of the best online university (Columbia University).

With this methodology we have trained more than 115,000 dentists with unprecedented success, in all specialties regardless of the workload. Our pedagogical methodology is developed in a highly competitive environment, with a university student body with a strong socioeconomic profile and an average age of 43.5 years old.

Relearning will allow you to learn with less effort and better performance, involving you more in your training, developing a critical mindset, defending arguments, and contrasting opinions: a direct equation for success.

In our program, learning is not a linear process, but rather a spiral (learn, unlearn, forget, and re-learn). Therefore, we combine each of these elements concentrically.

The overall score obtained by TECH's learning system is 8.01, according to the highest international standards.

This program offers the best educational material, prepared with professionals in mind:

Study Material

All teaching material is produced by the specialists who teach the course, specifically for the course, so that the teaching content is highly specific and precise.

These contents are then applied to the audiovisual format, to create the TECH online working method. All this, with the latest techniques that offer high quality pieces in each and every one of the materials that are made available to the student.

Educational Techniques and Procedures on Video

TECH introduces students to the latest techniques, the latest educational advances, and to the forefront of medical techniques. All of this in direct contact with students and explained in detail so as to aid their assimilation and understanding. And best of all, you can watch the videos as many times as you like.

Interactive Summaries

The TECH team presents the contents attractively and dynamically in multimedia lessons that include audio, videos, images, diagrams, and concept maps in order to reinforce knowledge.

This exclusive educational system for presenting multimedia content was awarded by Microsoft as a "European Success Story".

Additional Reading

Recent articles, consensus documents and international guidelines, among others. In TECH's virtual library, students will have access to everything they need to complete their course.

20%

15%

15%

3%

20%

17%

7%

3%
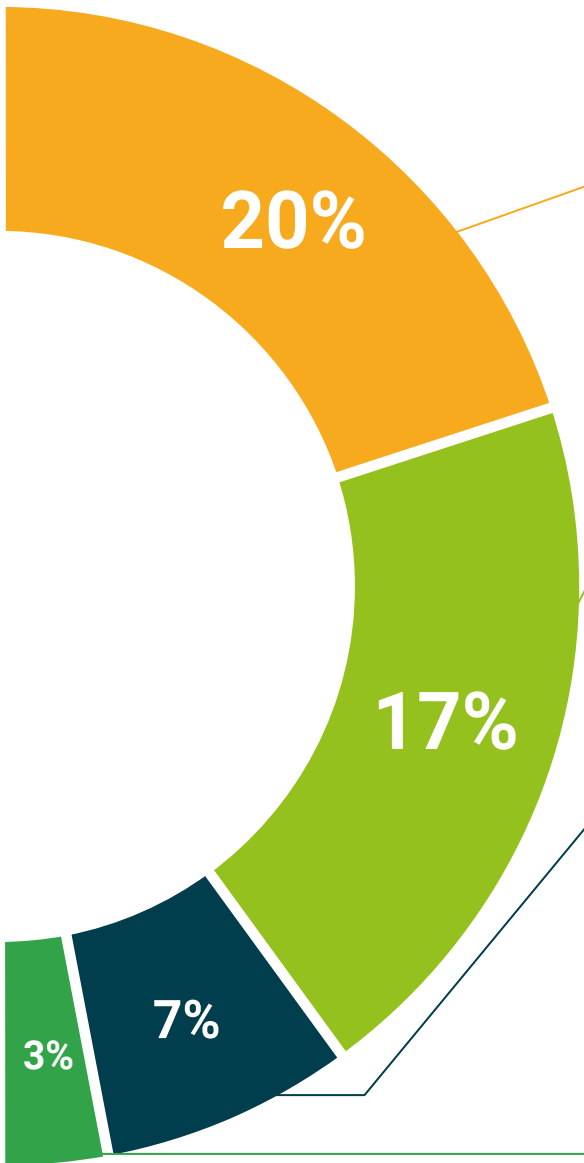
Expert-Led Case Studies and Case Analysis

Effective learning ought to be contextual. Therefore, TECH presents real cases in which the expert will guide students, focusing on and solving the different situations: a clear and direct way to achieve the highest degree of understanding.

Testing & Retesting

We periodically evaluate and re-evaluate students' knowledge throughout the program, through assessment and self-assessment activities and exercises, so that they can see how they are achieving their goals.

Classes

There is scientific evidence suggesting that observing third-party experts can be useful.

Learning from an Expert strengthens knowledge and memory, and generates confidence in future difficult decisions.

Quick Action Guides

TECH offers the most relevant contents of the course in the form of worksheets or quick action guides. A synthetic, practical, and effective way to help students progress in their learning.

10
Certificate

This Hybrid Professional Master's Degree in Digital Dentistry guarantees students, in addition to the most rigorous and up-to-date education, access to a Hybrid Professional Master's Degree diploma issued by TECH Technological University.

Successfully complete this program and receive your university qualification without having to travel or fill out laborious paperwork"

This **Hybrid Professional Master's Degree in Digital Dentistry** contains the most complete and up-to-date program on the professional and educational field.

After the student has passed the assessments, they will receive their corresponding Hybrid Professional Master's Degree diploma issued by TECH Technological University via tracked delivery*.

In addition to the certificate, students will be able to obtain an academic transcript, as well as a certificate outlining the contents of the program. In order to do so, students should contact their academic advisor, who will provide them with all the necessary information.
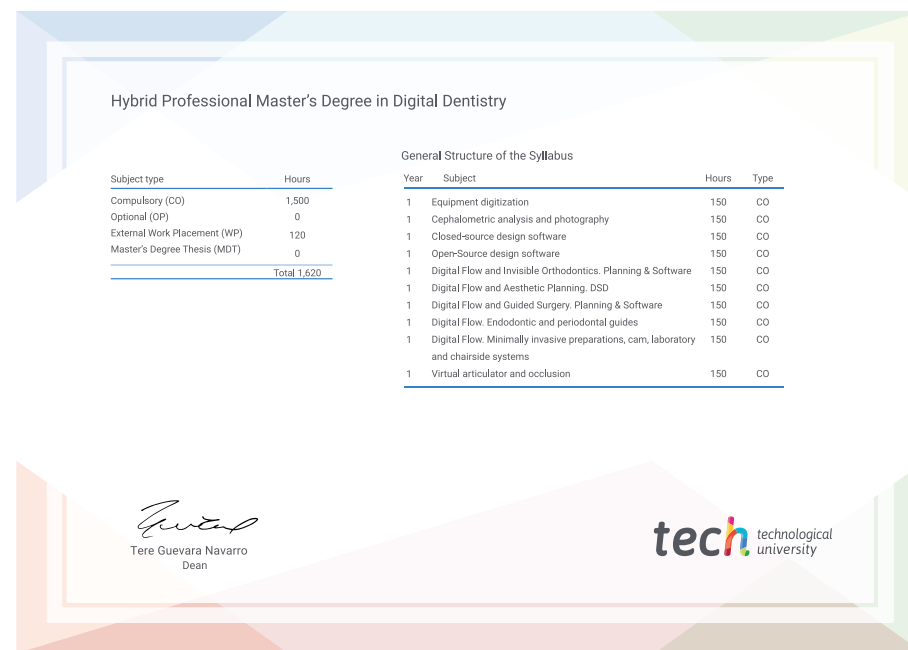
Title: **Hybrid Professional Master's Degree in Digital Dentistry**

Modality: **Hybrid (Online + Clinical Internship)**

Duration: **12 months**

Certificate: **TECH Technological University**

Teaching Hours: **1,620 h.**

tech technological university

Awards the following
CERTIFICATE
to

Mr./Ms. _____ with identification number _____.
For having successfully passed and accredited the following program

HYBRID PROFESSIONAL MASTER'S DEGREE
in

Digital Dentistry

This is a qualification awarded by this University, with a duration of 1,620 hours, with a start date of dd/mm/yyyy and an end date of dd/mm/yyyy.

TECH is a Private Institution of Higher Education recognized by the Ministry of Public Education as of June 28, 2018.

June 17, 2020

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This qualification must always be accompanied by the university degree issued by the competent authority to practice professionally in each country.   Unique TECH Code: AFWORD23S   techtitute.com/certificates

Hybrid Professional Master's Degree in Digital Dentistry

Subject type	Hours
Compulsory (CO)	1,500
Optional (OP)	0
External Work Placement (WP)	120
Master's Degree Thesis (MDT)	0
Total	1,620

General Structure of the Syllabus

Year	Subject	Hours	Type
1	Equipment digitization	150	CO
1	Cephalometric analysis and photography	150	CO
1	Closed-source design software	150	CO
1	Open-Source design software	150	CO
1	Digital Flow and Invisible Orthodontics. Planning & Software	150	CO
1	Digital Flow and Aesthetic Planning. DSD	150	CO
1	Digital Flow and Guided Surgery. Planning & Software	150	CO
1	Digital Flow. Endodontic and periodontal guides	150	CO
1	Digital Flow. Minimally invasive preparations, cam, laboratory and chairside systems	150	CO
1	Virtual articulator and occlusion	150	CO

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*Apostille Convention. In the event that the student wishes to have their paper certificate issued with an apostille, TECH EDUCATION will make the necessary arrangements to obtain it, at an additional cost.

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Hybrid Professional Master's Degree
Digital Dentistry

Modality: **Hybrid (Online + Clinical Internship)**
Duration: **12 months**
Certificate: **TECH Technological University**
Teaching Hours: **1,620 h.**

Hybrid Professional Master's Degree
Digital Dentistry

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