

**MIAMI DADE COUNTY PUBLIC SCHOOLS**  
**2014 – 2015 DENTAL AIDE/ DENTAL ASSISTING MATRIX PROGRAM**  
**PROGRAM NUMBER: 8417140/ H170106**

TOTAL HOURS: 1230      THEORY: 560      PRE-CLINICAL: 360      CLINICAL: 300

**\* Programs that articulate with post-secondary (PS) should follow the PS standards and program length: theory (T), pre-clinical (PC), and clinical (C) hours. \***

LESSONS	STANDARD/ PERFORMANCE OBJECTIVE			BENCHMARKS			NGSSS:SCI	TIME TO COMPLETE	APPLICATION/ DELIVERY	FS:M/LA
Ch. 1 - 64	PS	HS		PS	HS		SC.912.N.1.1 SC.912.N.1.1	Ongoing	Embedded in all lessons	LAFS.910.3.6 LAFS.910.W.1.2 LAFS.910.SL.2.4
	11.0	26.0	Use dental terminology	11.01	26.01	Identify and define common dental terms.				
				11.02	26.02	Demonstrate the use of proper dental terminology in the dental environment.				
<b>JUNIOR</b>  1: Ch. 8 2: Ch. 9 3: Ch. 10 4: Ch. 11 5: Ch. 12 6: Ch. 17	12.0	27.0	Identify structures and explain functions and pathologies of dental and general head and neck anatomy	12.01 12.02	27.01	Identify structures and functions of head and neck anatomy including bones, muscles, sinuses, salivary glands, nerves and blood vessels. Identify embryonic development of head, oral cavity, and teeth.	SC.912.L.14.11 SC.912.L.14.15 SC.912.L.14.16 SC.912.L.14.17 SC.912.L.14.19 SC.912.L.14.20 SC.912.L.14.21 SC.912.L.14.39 SC.912.L.14.46 SC.912.L.14.52	7 weeks / 32 hrs.	T: 28 hrs. PC: 4 hrs.  • Teacher lead • Online activity • Quiz • Test	LAFS.910.SL.1.1 LAFS.910.SL.2.4 MAFS.912.G-CO.1.5
				12.03	27.02	Identify teeth and their landmarks.	SC.912.L.14.15 SC.912.L.14.16 SC.912.L.14.19		•	LAFS.910.SL.1.1 LAFS.910.SL.2.4
				12.04	27.03	Describe the histological components of the head, oral cavity, and elements of the teeth and supporting structures.	SC.912.L.14.12			
				12.05	27.04	Recognize and describe pathological conditions.	SC.912.L.14.6			MAFS.912.S-CP.1.5
	13.0	28.0	Identify principles of microbiology and disease prevention and perform infection control procedures.	13.01	28.01	Differentiate between pathogenic and non-pathogenic microorganisms.	LAFS.910.R.1.3.9 LAFS.910.R.1.4.10	8 weeks / 34 hrs.	T: 20 hrs. PC: 4 hrs. C: 10 hrs.	SC.912.L.14.6
<b>(Junior)</b>  7: Ch. 18 8: Ch. 19 9: Ch. 20 10: Ch. 21 11: Ch. 22 12: Ch. 23 13: Ch. 24			Identify disease prevention and perform infection control procedures.	13.02 13.03	28.02	Describe pathogens and modes of disease transmission. Differentiate between aseptic and non-aseptic environments.	SC.912.L.14.6 SC.912.L.14.52		• Teacher lead • Video	LAFS.910.R.1.3.9
				13.04	28.03	Perform aseptic hand washing technique.				

							SC.912.L.14.6		<ul style="list-style-type: none"> <li>• Quiz</li> <li>• Research/ Test</li> </ul>	LAFS.910.SL.2.4
				13.05	28.04	Describe and apply methods of cleaning, disinfection, and sterilization.	SC.912.L.14.6			LAFS.910.SL.2.4
				13.06	28.05	Identify chemicals and their uses for controlling the spread of disease in the dental environment.	SC.912.L.14.6			LAFS.910.SL.2.4 LAFS.910.W.3.7
				13.07	28.06	Identify and practice the current CDC guidelines for infection control in dental healthcare settings.	SC.912.L.14.6			SC.912.L.14.6
				13.08	28.07	Describe the duties on the dental office safety coordinator.	SC.912.N.1.1			LAFS.910.R1.4.10
				13.09	28.08	Identify areas of the OSHA Bloodborne Pathogens Standard (29CFR-1910.1030) applicable to the dental office environment	SC.912.N.1.1			LAFS.910.R1.4.10
<b>(Junior)</b>  14: Ch. 1 15: Ch. 2 16: Ch. 3 17: Ch. 4 18: Ch. 5	03.0	29.0	Describe the legal and ethical responsibilities of the dental health care worker.	03.01	29.01	Define commonly used legal vocabulary relating to dentistry.	LAFS.910.L.3.6	2 weeks / 10 hrs.	T: 8 hrs. PC: 2 hrs.  • Teacher / Student lead • Online activity • Quiz • Test	LAFS.910.L.3.6 LAFS.910.R1.3.9 LAFS.910.R1.1.1 LAFS.910.R1.1.2
				03.02	29.02	Describe legal and ethical consideration/obligations in the dental team-patient relationship.	LAFS.910.R1.3.9			
				03.03	29.03	Explain risk management.	LAFS.910.R1.1.1			
				03.04	29.04	Identify areas of Florida Statute 466 and Rule 64B5-16 FAC applicable to practice by the dental health workers.	LAFS.910.R1.1.2			
				03.05	29.05	Implement appropriate Joint Commission patient safety goals.				
<b>(Junior)</b>  19: Ch. 32 20: Ch. 33 21: Ch. 34 22: Ch. 35 23: Ch. 36	14.0	30.0	Identify, describe, and maintain dental instruments and equipment.	14.01	30.01	Identify various types, functions, and operations of dental operatory and laboratory equipment.	SC.912.N.1.1	7 weeks / 30 hrs.	T: 18 hrs. PC: 4 hrs.  C: 8 hrs.  • Teacher lead  • Video • Online activity	LAFS.910.L.3.6 LAFS.910.R1.3.9 LAFS.910.R1.4.10 LAFS.910.SL.2.4
				14.02	30.02	Identify types and functions of operative, restorative, surgical, prosthodontic, orthodontic, and endodontic dental instruments.	SC.912.N.1.1			
				14.03	30.03	Maintain dental operatory equipment and instruments.	SC.912.N.1.1			
				14.04	30.04	Identify types and functions of specific dental hygiene instruments with emphasis on category rather than individual instruments.	SC.912.N.1.1			
				14.05		Seat and dismiss patients				

				14.06		Operate oral evacuation devices and air/water syringe			•	
				14.07		Maintain a clear field of vision including isolation techniques			•	
				14.08		Perform a variety of instrument transfers			•	
				14.09		Utilize appropriate chairside assistant ergonomics			•	
				14.10		Implement appropriate patient safety goals as identified by The Joint Commission			•	
<b>(Junior)</b> 24: Ch. 25 25: Ch. 26 26: Ch. 28	15.0		Record patient assessment and treatment data.	15.01		Take and record medical-dental histories.		2 week / 10 hrs.	T: 6 hrs. PC: 4 hrs. • Teacher lead • Online act. • Quiz • Test	
				15.02		Record assessment of existing oral conditions.				
				15.03		Record conditions diagnosed by the dentist.				
				15.04		Record treatment-related data on the patient's clinical record				
				15.05		Record treatment plan and treatment in patient's chart				
<b>(Junior)</b> 27: Ch. 13 28: Ch. 14 29: Ch. 15 30: Ch. 16	20.0		Describe principles and perform techniques of preventive dentistry.	20.01		Identify and instruct patients on applicable methods of preventive dentistry.		5 weeks / 22 hrs.	T: 12 hrs. PC: 10 hrs. • Teacher / student lead • Online activity • Video • Quiz • Project / Test	
				20.02		Prepare and set up for various preventative procedures				
				20.03		Identify properties and uses of abrasive agents used to polish coronal surfaces and appliances				
				20.04		Perform coronal polish and apply anticariogenic and desensitizing treatments as permitted by FL statute and FL board dentistry rule				
				20.05		Clean and polish removable dental appliances				
				20.06		Assist with and place dental dams as permitted by FL statute and FL board of dentistry rule				
				20.07		Apply dental sealants as permitted by FL statute and FL board of dentistry rule				
				20.08		Identify the elements of nutrition, basic food groups, and acceptable diets as recommended by the USDA				
				20.09		Identify dietary deficiencies and dietary practices that contribute to the manifestations of symptoms in the oral cavity.				
				20.10		Identify community dental resources and services available				
<b>(Junior)</b> 31: Ch. 30	16.0		Identify the functions of pharmacology and anesthesia as they relate to dentistry.	16.01		Identify drug requirements, agencies, and regulations.		3 weeks	T: 12 hrs.	
				16.02		Record a drug prescription in a patient's chart.				

32: Ch. 37 33: Ch. 27 34: Ch. 29 35: Ch. 31				16.03		Identify drug actions, side effects, indications and contraindications; verify with Physician’s Desk Reference or its equivalent.		/ 16 hrs. + 10 hrs.	PC: 6 hrs. C: 8 hrs.  • Teach er lead • Guest speake r • Online activit y • Video • Quiz • Resear ch/ Test	
				16.04		Identify common drugs used in dentistry.				
				16.05		Prepare and apply topical anesthetic agent.				
				16.06		Identify properties of anesthetics.				
				16.07		Prepare syringes for the administration of local anesthetics.				
				16.08		Monitor and identify precautions in the use of nitrous oxide-oxygen conscious sedation.				
				16.09		Identify drugs and agents used for treating dental-related infection				
				16.10		Describe dental office emergencies and their prevention				
(Senior)  36: Ch. 43 37: Ch. 44 38: Ch. 45 39: Ch. 46 40: Ch. 47	18.0	31.0	Identify properties and uses of dental materials which include gypsum, restorative material, acrylics, dental cements, impression materials and waxes.		31.01 to 31.08	27.0 Identify properties and uses of dental materials which include gypsum, restorative material, acrylics, dental cements, impression materials and waxes.	SC.912.P.8.2	7 weeks / 76.5 hrs.	T: 36 hrs. PC: 12 hrs. C: 28 hrs.  • Teach er lead • Online activit y • Video • Quiz • Test	LAFS.910.L.3.6 LAFS.910.R1.3.9 LAFS.910.R1.4.10 LAFS.910.SL.2.4
				28.0	18.01	31.01	Identify properties and uses and manipulate gypsum.			SC.912.N.1.1
		Identify properties and uses and manipulate restorative materials.								
		Identify properties and uses and manipulate dental cements								
		18.04	32.02		Identify properties and uses and manipulate impression materials.	SC.912.P.8.2 SC.912.P.8.11				
					Identify properties and uses and manipulate acrylics and/or thermoplastics.					
		18.06	32.03 32.01		Identify properties and uses and manipulate waxes.					
					Perform dental laboratory procedures to include the fabrication of casts, custom trays and/or temporary crowns and bridges.					
		18.08	Clean and polish removable dental appliances.							
		18.09	Identify properties and uses of abrasive agents used to polish coronal surfaces and appliances.							
		18.10	Identify and manage hazardous dental materials and wastes in accordance with the OSHA Hazard Communications Standard and Environment Protection Agency regulations.							
					Perform laboratory infection control.					
			32.04							

41: Ch. 38 42: Ch. 39 43: Ch. 40 44: Ch. 41 45: Ch. 42			radiographic procedures	17.02		Identify parts of the X-ray machine including accessories.		weeks / 85.5 hrs.	hrs. PC: 10 hrs. C: 45 hrs.  • Teacher lead • Online activity • Video • Quiz • Test	LAFS.910.R1.4.10 LAFS.910.SL.2.4		
				17.03		Demonstrate radiologic health protection techniques.						
				17.04		Perform dark room/processing procedures, mix solutions.				LAFS.910.L.3.6 LAFS.910.R1.3.9 LAFS.910.R1.4.10 LAFS.910.SL.2.4		
				17.05		Describe proper disposal of hazardous radiographic waste.						
				17.06		Place and expose dental radiographic films and digital sensors.						
				17.07		Perform carpal radiography as required for dental diagnostic procedures.						
				17.08		Identify radiographic anatomical landmarks and pathologies.				LAFS.910.L.3.6 LAFS.910.R1.3.9 LAFS.910.R1.4.10 LAFS.910.SL.2.4		
				17.09		Mount radiographic surveys.						
				17.10		Maintain unexposed film inventory and storage.						
				17.11		Maintain digitally acquired radiographic images.						
										LAFS.910.L.3.6		
(Senior)  46: Ch. 48 47: Ch. 49 48: Ch. 50 49: Ch. 51 50: Ch. 52 51: Ch. 53 52: Ch. 54 53: Ch. 55 54: Ch. 56 55: Ch. 57 56: Ch. 58 57: Ch. 59 58: Ch. 60	19.0	33.0	Perform chairside assisting for general dentistry and specialty procedures.	19.01		Describe procedures, equipment, materials, and instrumentation used in the dental specialties to include but not limited to periodontics, endodontics, pedodontics, oral surgery, orthodontics, and prosthodontics.	SC.912.N.1.1	14 weeks / 148.5 hrs.	T: 54 hrs. PC: 14 hrs. C: 80 hrs.  • Teacher lead • Online activity • Guest speakers • video • Quiz • Test	LAFS.910.SL.2.4		
											LAFS.910.SL.2.4	
			Describe dental assisting duties.	19.02		Assemble tray setups for general and specialty dental procedures						
				19.03	33.01	Assist in general and specialty dental procedures						
				19.04		Perform patient education to include pre -and post- operative instructions as prescribed by a dentist						
		34.0	Identify specialty dental procedures.		33.02	Assemble instruments and assist for general/and specialty dental procedures.				LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8		
						Prepare tray set-ups for specific specialty procedures.						
						Select, prepare, mix, and manipulate correct dental materials for general and specialty procedures.						
						Perform a visual assessment of existing oral conditions.						
						Demonstrate appropriate patient management skills.					LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6	
					34.01	Identify and describe Oral Maxillofacial surgery.						

					34.02	Identify and describe Orthodontics.				LAFS.910.W.3.7 LAFS.910.W.3.8
					34.03	Identify and describe Periodontics.				LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
					34.04	Identify and describe Prosthodontics.				LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
					34.05	Identify and describe Pedodontics.				LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
					34.06	Identify and describe Endodontics.				LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
					34.07	Identify and describe Public Health Dentistry.				LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
										LAFS.910.L.3.6 LAFS.1112.L.3.6 LAFS.910.W.1.2 LAFS.910.W.2.4 LAFS.910.W.2.5 LAFS.910.W.2.6 LAFS.910.W.3.7 LAFS.910.W.3.8
<b>(Senior)</b>  59: Ch. 61 60: Ch. 62 61: Ch. 63 62: Ch. 64	21.0	35.0	Describe functions of the dental business office and perform dental business office procedures.	21.01	35.01	Maintain appointment control	MA.912.F.4.1 4.2, 4.5; MA.912.D.6.2.6.3, 6.4	5 weeks / 49.5 hrs.	T: 24 hrs. PC: 6 hrs. C: 20 hrs.  • Teacher lead • Online activity • Quiz • Test	LAFS.910.R.1.4.10 LAFS.910.R.1.1.2  LAFS.910.R.1.4.10 LAFS.910.R.1.1.2  LAFS.910.R.1.4.10 LAFS.910.R.1.1.2
				21.02	35.02	Maintain an active recall system.				
				21.03	35.03	Prepare and maintain accurate patient records.				
				21.04	35.04	Prepare and maintain patient financial records and collecting fees.				
			Identify dental business office procedures	21.05		Prepare and maintain office financial records.				
				21.06	35.05	Prepare and maintain of dental office inventory.				
				21.07	35.06	Demonstrate public relations responsibilities of the secretary/receptionist.				
				21.08	35.07	Demonstrate skills required for operating on office equipment.				
					35.08	Describe an optimal dental office environment.				
				21.09		Maintain the dental business office environment.				

				21.10		Receive and dismiss patients and visitors.				LAFS.910.R1.4.10 LAFS.910.R1.1.2
				21.11		Demonstrate appropriate patient management/customer service skills				LAFS.910.R1.4.10 LAFS.910.R1.1.2
				21.12		Describe the affect of money management on practice goals.				LAFS.910.R1.4.10 LAFS.910.R1.1.2
										LAFS.910.R1.4.10 LAFS.910.R1.1.2
PS Program/ Articulation						Externship/ Summer Clinical Rotations		180 hrs.	T: 15 hrs. C: 165 hrs.	

\* Online resources available at <https://evolve.elsevier.com>