					MAGNETS				
				Ja	y Science and Engineering Acade	emy			
Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4
		8703	Principles of Applied Engineering M	8722	Manufacturing Engineering Technology I M	8708	Engineering Design & Presentation I M	8716	Practicum in STEM-Engineering Science M (2CR)
වි								8732	Engineering Design & Presentation II M (2CR)
Engineering	Engineering-SEA				Manufacturing Technology SolidWorks Additive Manufacturing		AutoCAD Certified Associate, Fusion 360 Certified Solidworks Associate (CSWA) Engineering Technology Foundations		1) AutoCAD Certified Associate, 2) Fusion 360 3) Certified Solidworks Associate (CSWA) 4) Pre-Engineering/Engineering Technology - Job Ready
					A-F Performance Acknowledgement		1-4) A-F Level		1-4) A-F Level
			Principles of Applied						
	Advanced	8703	Engineering M	8722	Manufacturing Engineering Technology I M	8733	Robotics I M	8734	Robotics II M <u>AND</u>
ဟ္	Manufacturing and		, , , , , , , , , , , , , , , , , , ,				(TEA Level 2 Course)	8735	Manufacturing Engineering Technology II M
ĕ	Machinery						4) A 4 0 4 D 0 4 1 1 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4		(TEA Level 3 Course)
Robotics	Mechanics- SEA (Students MUST complete 4				SolidWorks Additive Manufacturing		AutoCAD Certified Associate, Certified Solidworks Associate (CSWA)		AutoCAD Certified Associate, Certified Solidworks Associate (CSWA)
	classes + A-F certification for				Performance Acknowledgement		1-2) A-F Level		1-2) A-F Level
				0740	D	1		1	
g	Biomedical	8717	Principles of Biosciences M	8719 8739	Biotechnology I M Biotechnology I D	8720	Biotechnology II M	8724	Practicum in STEM-Bio Science M (2CR)
Biomedical	Science-SEA				3,				Biotechnician Assistant Credentialing Exam (BACE)
<u>.</u>									A-F Level
Ш						7215			
8		7104	AP Computer Science Principles M (1.0) Or	7111	Computer Science 1 Pre-AP (1.0)	5971	AP Computer Science A 1 M (2.0) OR	7311	Computer Science 3 H/DC M (1.0)
Computer Science	Computer Science-	7320	Onramps Computer Science (1.0)			7212	Computer Science 2 H M (1.0)		
တ်	Programming and		(TEA Level 2 Course)		A) IT O and all at D. diagram		A) IT O ! P of D off		A) IT O and all all D. the an
<u> </u>	Software				1) IT Specialist-Python 2) CompTIA IT Fundamentals+		1) IT Specialist-Python 2) CompTIA IT Fundamentals+		1) IT Specialist-Python 2)Java SE 8 Programmer I 1Z0-808
d	Development				3) IT Specialist-Java		3) IT Specialist-Java		3) IT Specialist-Java
E	Development				4) IT Specialist-Javascript		4) IT Specialist-Javascript		4) IT Specialist-Javascript
ŭ					1) Performance Acknowledgement 2-4) A-F		1) Performance Acknowledgement 2-4) A-F		1) Performance Acknowledgement 2-4) A-F

					Health Careers HS				
Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4
		8533	Principles of Health Science M	8536	Health Science Theory M	8374	Practicum in Health Science-Dental M (2CR)	8365	Practicum in Health Science-Dental M (2CR)
	Healthcare Therapeutic-Dental		Heartsaver CPR/AED/First Aid				Registered Dental Assistant X-Ray Certification Basic Life Support (BLS) Healthcare Provider		Registered Dental Assistant X-Ray Certification Application PROCESS
			Entry Level				Performance Acknowledgement		A-F Level
	Healthcare	8533	Principles of Health Science M	8536	Health Science Theory M	8391	Practicum in Health Science- Clinical M (2CR)	8390	Practicum in Health Science - Medical Assistant M (2CR)
<u>.</u> 2	Therapeutic- Medical Assistant		Heartsaver CPR/AED/First Aid				Basic Life Support (BLS) Healthcare Provider,		Certified Clinical Medical Assistant (CCMA);
Ę	WEUICAI ASSISIAIII		Entry Level				Performance Acknowledgement		A-F Level
<u>B</u>									
Therapeutic	Healthcare	8533	Principles of Health Science M	8536	Health Science Theory M	8391	Practicum in Health Science M (2CR) Clinical	8392	Practicum in Health Science - Sterile Processing M (2CR)
F	Therapeutic- Sterile Processing		Heartsaver CPR/AED/First Aid				Basic Life Support (BLS) Healthcare Provider,		Sterile Processing & Distribution Technician (CSPD)
			Entry Level				Performance Acknowledgement		Performance Acknowledgement
							-		-
	Healthcare Therapeutic-	8533	Principles of Health Science M	8536	Health Science Theory M	8394	Practicum in Health Science -Pharmacy Technician M (2CR)	8539	Practicum in Health Science -Pharmacy Technician M (2CR)
	Pharmacy		Heartsaver CPR/AED/First Aid				Basic Life Support (BLS) Healthcare Provider		Pharmacy Technician CPhT
	Technician		Entry Level				Performance Acknowledgement		A-F Level
	Healthcare	8533	Principles of Health Science M	8536	Health Science Theory M	8337	Medical Microbiology M	8395	Practicum in Health Science-Clinical Lab M(2CR)
<u>:</u> 2:	Diagnostics- Clinical Lab		Heartsaver CPR/AED/First Aid				Basic Life Support (BLS) Healthcare Provider (Pathophysiology)		Certified Phlebotomy Technician (CPT);
S	Cillical Lab		Entry Level				Performance Acknowledgement		A-F Level
Ĕ									
Diagnostic	Healthcare	8533	Principles of Health Science M	8536	Health Science Theory M	8337	Medical Microbiology M	8396	Practicum in Health Science-Medical Research M (2CR)
_	Diagnostics-		Heartsaver CPR/AED/First Aid				Basic Life Support (BLS) Healthcare Provider (Pathophysiology)		
	Medical Research		Entry Level				Performance Acknowledgement		

	Construction Careers Academy										
Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4		
Architecture	A	8096	Principles of Construction M (Elective Only)	8105	Architectural Design I M	8147	Architectural Design II M (2CR)	8148			
) itec	Architectural Design- CCA		1) OSHA 10-Hour Construction Industry 2) NCCER Core				AutoCAD Certified Associate Autodesk Revit Certified User		AutoCAD Certified Associate Autodesk Revit Certified User		
Arcl			Performance Acknowledgement Performance Acknowledgement				1-2) A-F Certification		1-2) A-F Certification		
	Canaturatian		Principles of Construction M	8097	Principles of Architecture (Elective Only)	8108	Construction Management I M (2CR)	8130	Construction Management II M (2CR)		
	Construction	8096	Finiciples of Construction w	8612	Principles of Architecture (Elective Only)	8140	Construction Management I D (2CR)	8133	Construction Management II D (2CR)		
	Management and				(TEA Level 1 Course)		(TEA Level 2 Course)		(TEA Level 3 Course)		
ڇ	Inspection- CCA (Students MUST complete 4		1) NCCER Core 2) OSHA 10-Hour Construction Industry				1) NCCER)-Carpentry Level 1 2) Forklift Training				
Construction	classes + A-F certification for CCMR)		A-F Level Performance Acknowledgement				1) Performance Acknowledgement 2) Entry Level				
str			Principles of Construction M	8097	Principles of Architecture M	8107	Construction Technology I M (2CR)	8129	Construction Technology II M (2CR)		
) Si	0	8096	Principles of Construction M	8612	Principles of Architecture M Principles of Architecture D	8141	Construction Technology I M (2CR) Construction Technology I D (2CR)	8142	Construction Technology II M (2CR) Construction Technology II D (2CR)		
ပ	Carpentry- CCA				(TEA Level 1 Course)		(TEA Level 2 Course)		(TEA Level 3 Course)		
	(Students MUST complete 4 classes + A-F certification for CCMR)		1) NCCER Core 2) OSHA 10-Hour Construction Industry				NCCER Carpentry Level 1		1) NCCER Carpentry Level 1 2) NCCER Carpentry Level 2		
	COMR		A-F Level Performance Acknowledgement				A-F Level		1-2) A-F Level		
		8096	Principles of Construction M	8119 8132	Plumbing Technology I M Plumbing Technology I D	8120 8144	Plumbing Technology II M (2CR) Plumbing Technology II D (2CR)	8165	Technology-Plumbing M (2CR)		
	Plumbing and Pipefitting-CCA		1) NCCER Core 2) OSHA 10-Hour Construction Industry				1) NCCER Plumbing, Level 1 2) Plumbing Apprenticeship		1) NCCER Plumbing, Level 1 2) Plumber's Helper Certificate Level 1 3) Plumbing Apprenticeship		
Trades			1) A-F Level 2) Performance Acknowledgement				1) A-F Level 2) Performance Acknowledgement		1-2) A-F Level 3) Performance Acknowledgement		
<u> </u>			Principles of Construction M	8115	Electrical Technology I M	8116	Electrical Technology II M (2CR)		Practicum in Construction		
		8096	Principles of Construction M	8145	Electrical Technology I M	8146	Electrical Technology II M (2CR)	8166	Technology-Electrical M (2CR)		
	Electrical- CCA		1) NCCER Core 2) OSHA 10-Hour Construction Industry				NCCER Electrical, Level 1		1) NCCER Electrical, Level 1 2) Electrical Apprenticeship Certificate Level 1		
			1) A-F Level 2) Performance Acknowledgement				A-F Level		1-2) A-F Level		
_		8096 8095	Principles of Construction M Principles of Construction D (elective only)	8708	Engineering Design & Presentation I M	8732	Engineering Design & Presentation II M (2 CR)	8716	Practicum in STEM M (2CR)		
i j					(TEA Level 3 Course)		(TEA Level 4 Course)				
Engineering	Engineering- CCA		1) OSHA 10-Hour Construction Industry 2) NCCER Core		AutoCAD Certified Associate		AutoCAD Certified Associate, Autodesk Inventor Autodesk Certified Professional in Civil 3D for Infrastructure Design Land Survey Tech I		AutoCAD Certified Associate, Autodesk Inventor Autodesk Certified Professional in Civil 3D for Infrastructure Design Land Survey Tech I		
			1) Entry Level 2) A-F Level		A-F Level		1-3) A-F Level 4) Performance Acknowledgement		1-3) A-F Level 4) Performance Acknowledgement		

					Communications Arts			•		
Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4	
		8175	Principles of Arts, Audio/Visual Technology & Communication M	8522 8521	Digital Media M Digital Media D	8171	Animation I M	8172 8178	Animation II/Lab M (2CR) 3-D Modeling and Animation-M	
					(TEA Level 1 Course)		(TEA Level 2 Course)		(TEA Level 3 Courses)	
Animation	Animation- Design and Multimedia Arts- CA (Students MUST complete 4 classes + A-F certification for				Adobe 1) Photoshop 2) Illustrator		Adobe Certified Professional (ACP) 1) Photoshop 2) Illustrator 3) Animate 4) Toon Boom		Adobe Certified Professional (ACP) 1) Photoshop 2) Illustrator 3) Animate 4) After Effects 5) Premier Pro 6) Toon Boom	
	CCMR)				1-2) A-F Level		1-2) A-F Level 3) A-F Sunsetting Seniors Only (Non seniors will be a PA) 4) Performance Acknowledgement		1-5) A-F Level 3) A-F Sunsetting Seniors Only (Non seniors will be a PA) 6) Performance Acknowledgement	
	Audio Video				Digital Communications of the 21st Century M					
Video	Production-Digital	8175	Principles of Arts, Audio/Visual Technology & Communication M	8179 8518	Dig Comm 21st Century D M	8173	Audio Video Production I M	8168 8163	Audio Video Production II/Lab M (2CR) Audio Video Production II/Lab D (2CR)	
5	Communication-				(TEA Level 1 Course)		(TEA Level 2 Course)		(TEA Level 3 Course)	
Audio	CA (Childente MIST complete 4				Adobe Certified Professional (ACP) 1) Photoshop		Adobe Certified Professional (ACP) 1) Premiere Pro,		Adobe Certified Professional (ACP) 1) Premiere Pro	
₹	(Students MUST complete 4 classes + A-F certification for				2) Illustrator		2) After Effects		2) After Effects	
	CCMR)				1-2) A-F Level		1-2) A-F Level		1-2) A-F Level	

				•	NSITE			•	
Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4
		8203	Principles of Business, Marketing & Finance <u>AND</u>	8653	Entrepreneurship I M	8673	Entrepreneurship II M	8658	Practicum in Entrepreneurship-VEI (2CR)
ship		8502	Principles of Information Technology (elective only)						
Entrepreneurship	Entrepreneurship- NSITE		PBMF 1) MOS Specialist Word-Sunsetting 2) MOS Specialist PowerPoint PIT 1) CompTIA ITF+ 2) Internet and Computing Core Certification IC3		1) Entrepreneurship Small Business		1) Entrepreneurship Small Business		
			A-F Level Performance Acknowledgement Level		1) A-F Level		1) A-F Level		
		7104	AP Computer Science Principles	8544	Cyber Internetworking I M	8548	Cyber Internetworking II M	8549	Practicum in Information Technology Cyber- VEI M (2CR)
	Cyber Security-NISTE	8203	Principles of Business, Marketing & Finance (elective only)					8725	Practicum in Information Technology-Cyber M (2CR)
Cyber			PBMF 1) MOS Specialist Word-Sunsetting 2) MOS Specialist PowerPoint PIT 1) CompTIA ITF+		1) CompTIA Network+ 2) CompTIA ITF+		1) CompTIA Security +, 2) CompTIA Networking + 3) CompTIA ITF+		1) CompTIA Security +, 2) CompTIA Networking +
			A-F Level Performance Acknowledgement Level		1-2) A-F Level		1-3) A-F Level		1-2) A-F Level
		7104	AP Computer Science Principles M	7110	Advanced Computer Science 1	7215 & 5971	AP Computer Science A I <u>OR</u>	8510	Practicum in Information Technology-VEI (2CR)
		8203	Principles of Business, Marketing & Finance (elective only)			7212	Computer Science 2 H	8726	Practicum in Information Technology CS/Prog(2CR)
Programming	Programming and Software Development - NSITE		(TEA Level 2 Course) PBMF 1) MOS Specialist Word-Sunsetting 2) MOS Specialist PowerPoint PIT 1) CompTIA ITF+		1) IT Specialist-Python 2) CompTIA IT Fundamentals+ 3) IT Specialist-Java 4) IT Specialist-Javascript		1) IT Specialist-Python 2) IT Specialist-Java 3) IT Specialist-Javascript		1) IT Specialist-Java 2) IT Specialist-Javascript 3) Certified Entry Level Python Programmer (PCEP)
			A-F Level Performance Acknowledgement Level		1) Performance Acknowledgement 2-4) A-F Level		1) Performance Acknowledgement 2-5) A-F Level		1-4) A-F Level

					LMS				
Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4
	EMT- Emergency	8570 8571	Principles of Law, Public Safety, Corrections, & Security M Principles of Law, Public Safety, Corrections, & Security D	8592	Disaster Response M	8377 8379 8376	Anatomy & Physiology M or H Anatomy & Physiology D	8563	Emergency Medical Technician-Basic M (2CR)
	Services								(TEA Level 3 Course)
			Heartsaver CPR/AED/First Aid						1) Emergency Medical Technician Basic 2) Basic Life Support (BLS) Provider,
			Entry Level						1) A-F Level 2) Performance Acknowledgement
	Behavioral Health- Emergency	8570 8571	Principles of Law, Public Safety, Corrections, & Security M Principles of Law, Public Safety, Corrections, & Security D	8592	Disaster Response M	8537	Counseling & Mental Health M	8577	Practicum in Law, Public Safety, Corrections & Security M (2CR)
	Services		Heartsaver CPR/AED/First Aid						Mental Health Technician
			Entry Level						Performance Acknowledge
		8570 8571	Principles of Law, Public Safety, Corrections, & Security M Principles of Law, Public Safety, Corrections, & Security D	8573	Law Enforcement I M	8574	Law Enforcement II M AND	8577	Practicum in Law, Public Safety, Corrections & Security M (2CR)
	Law		,			8576	Criminal Investigations M		
	Enforcement						(TEA Level 2 Course)		
gal	Linorcement		Heartsaver CPR/AED/First Aid						1) Non- Commissioned Security Officer Level II 2) Mental Health Technician
Law & Legal			Entry Level						1) A-F Level 2) Performance Acknowledge
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La		8570 8571	Principles of Law, Public Safety, Corrections, & Security M Principles of Law, Public Safety, Corrections, & Security D	8572 8558	Court Systems & Practices M Court Systems & Practices D	8575	Legal Research and Writing M AND	8577	Practicum in Law, Public Safety, Corrections & Security M (2CR)
	Legal Studies					8576	Criminal Investigations M (Elective Only)		
							(TEA Level 2 Course)		
			Heartsaver CPR/AED/First Aid						Mental Health Technician
			Entry Level						Performance Acknowledge
Govt. and Public Admin.	Government &	8580	Principles of Government & Public Administration	8581	Political Science I M	8582	Political Science II M <u>AND</u>	8578	Practicum in Local, State and Federal Government M (2CR)
우 등 분	Public					8588	Dimensions of Diplomacy M OR		
اکِ ہے کے	Administration					8583	Planning & Governance M AND		
0	714111111111111111111111111111111111111					8584	Public Management and Administration M		
						_			Practicum in Health Science - Physical
	Physical	8533	Principles of Health Science	8349	Physical Therapy I M	8366	Health Science Theory-Physical Therapy M	8397	Therapy M (2CR)
Medical Services	Therapy-Medical Therapy				(TEA Level 3 Course)	8376 8377 8379	Anatomy and Physiology		
e l	Петару		Heartsaver CPR/AED/First Aid				Basic Life Support (BLS) Healthcare Provider		Physical Therapy Aide
<u> </u>			Entry Level				Performance Acknowledgement		Performance Acknowledgement
edica	Nursing Science	8533	Principles of Health Science	8564	Principles of Nursing M	8565	Science of Nursing M	8566	Practicum in Health Science Nursing- CNA M (2CR)
Ĕ	(Students MUST complete 4				(TEA Level 1 Course)	+ -	(TEA Level 2 Course)		(ZGR)
	classes + A-F certification for		Heartsaver CPR/AED/First Aid		(ILA Level I Coulse)		Basic Life Support (BLS) Healthcare Provider		Certified Nurse Aide/Assistant
	CCMR)		Entry Level				Performance Acknowledgement		A-F Level
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			Ā	Agric	ulture Science and Technology Ac	cader	ny		
Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4
		8050 8065	Principles of Agriculture, Food, and Natural Resources	8051	Livestock Production	8048	Veterinary Medical Applications	8053	Advanced Animal Science
					(TEA Level 3 Course)		(TEA Level 4 Course)		B # 1 1 1 1 5 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1
	Animal Science							8064	Practicum in Agriculture, Food, & Natural Resources-Animal Science (2CR)
	Animai Science				Texas Beef Quality Assurance		Certified Veterinarian Assistant, Level 1		Certified Veterinarian Assistant, Level 1 Elanco Fundamentals of Animal Science Texas Beef Quality Assurance
					Performance Acknowledgement Level		A-F Level		1-2) A-F Level 3) Performance Acknowledgement
									,
Ces		8050 8065	Principles of Agriculture, Food, and Natural Resources	8057 8047	Floral Design (1 CR) Floral Design D (1 CR) <u>AND/OR</u>	8069 8046	Advanced Floral Design Advanced Floral Design D <u>AND/OR</u>	8068	Practicum in Agriculture, Food, & Natural Resources-Plant Science (2CR)
nos				8059	Horticultural Science (1 CR)	8060 8067	Advanced Plant & Soil Science Advanced Plant & Soil Science D		
2					(TEA Level 3 Course)		(TEA Level 4 Course)		
Agriculture, Food, and Natural Resources	Plant Science				Texas State Floral Association Level I Floral Certification Texas Certified Landscape Associate (TCLA)		Texas State Floral Association Level I Floral Certification Texas State Floral Association Level II Floral Certification Commercial/Noncommercial Pesticide Applicator Texas Certified Nursery Professional BASF Plant Science Certification		Texas State Floral Association Level II Floral Certification BASF Plant Science Certification
요					1-2) A-F Level		1-5) A-F Level		1-2) A-F Level
culture,	Applied	8050 8065	Principles of Agriculture, Food, and Natural Resources	8061	Agriculture Mechanics & Metal Technologies (1 CR)	8062	Agricultural Structures Design & Fabrications (1 CR)	8070	Practicum in Agriculture, Food, & Natural Resources-Ag Engineering (2CR) <u>AND/OR</u>
Agri	Agricultural					8075	Geographic Information Systems for Ag. (elective only)	8042	Agriculture Equipment Design & Fabrication M
	Engineering				(AWS)- American Welding Society D1.1 and D9.1		(AWS) American Welding Society-D1.1 and D9.1		(AWS) American Welding Society-D1.1 and D9.1
					A-F Level		A-F Level		A-F Level
				8214	Leadership in Aq. 1				
	ASTA Electives	8056 8066	Wildlife, Fisheries & Ecology Mgt. Wildlife, Fisheries & Ecology Mgt. D	8217 8221	Leadership in Ag. 1 Leadership in Ag. 2 Leadership in Ag. 3				
			Ecology Conservation Management Certification-Ducks Unlimited (iCEV) Hunter's Education						
			1) A-F 2) Entry Level						

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Cluster	Program of Study	Crse #	NISD LEVEL 1		NISD LEVEL 2		NISD LEVEL 3		NISD LEVEL 4			
5)		8230	Principles of Education and Training	8462	Child Development	8461 8463	Child Guidance (2CR) Child Guidance D (2CR)	8458	Practicum in Human Services (2CR)			
Training	Early Learning				1) Heartsaver CPR/AED/First Aid		Early Childhood Education and Care-Basic Educational Aide I		1) Early Childhood Education and Care-Basic 1) Heartsaver CPR/AED/First Aid			
and T					2) Entry Level		1-2) A-F Level		1-2) A-F Level 2) Entry Level			
				1		8252	Instructional Practices (2CR)		Practicum in Education & Training (Prereq			
atic		8230	Principles of Education and Training	8462	Child Development	8256	Instructional Practices (2CR)	inci	Instructional Prac.) (2CR)			
Education	Teaching and Training				1) Heartsaver CPR/AED/First Aid		1) Early Childhood Education and Care-Basic 2) Educational Aide I		1) Educational Aide I 2)Heartsaver CPR/AED/First Aid			
Ш					2) Entry Level		1-2) A-F Level		1) A-F Level 2) Entry Level			