## **Endorsement: Arts and Humanities Endorsement**

Includes courses directly related to: political science, world languages, cultural studies, English literature, history, and fine arts.

#### **Arts and Humanities**

Programs of Study: Focuses on careers in arts and humanities

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh

#### Arts & Humanities Career Options



On-the-job training/certificates: Activist, advocate, online political data entry clerk, legislative office clerk.

Associate's Degree: Paralegal, free-lance writer, campaign worker, political commentator, pollster, web content editor.

Bachelor's Degree: Political scientist, tax examiner, revenue agent or collector, urban or regional planner, government teacher, public administration, inarchivist, budget examiner/analyst, city planner, career counselor, journalist, policy analyst, mediator, management analyst, legislative analyst/coordinator, labor relations specialist, juvenile justice specialist, immigration officer, international agency officer, international research specialist, public affairs research analyst. public opinion analyst, congressional office staffer, corporate analyst, corporate public affairs advisor.

Graduate Degree: Publisher, university administrator, university professor, urban policy planner, banking analyst/executive, CIA analyst/agent, city housing administrator, communications di rector, corporate economist, corporate manager.

On-the-job training/certificates: Flight attendant, travel agent, tour guide, proofreader, Peace Corps volunteer, missionary, hotel employee, customer services representative, foreign film dubber.

Associate's Degree: Translator, interpreter, bilingual publishing assistant, child and family specialist, auto claims representative, buyer, child and family specialist, children's activities coordinator, communications specialist, community affairs specialist, correctional officer, court interpreter, customs/immigration officer, foreign language tutor, global sales communications specialist, human resources support, publicity assistant.

Bachelor's Degree: Language teacher, linguist, consultant, editor, foreign exchange trader, bilin gual counselor, archivist, business development analyst, cultural officer, embassy personnel, family advocate, foreign student advisor, foreign trade analyst, hotel manager, import/export representative, international adoption coordinator, international conference planner, marketing director, news reporter public opinion analyst, researcher.

Graduate Degree: Psycholinguist, neurologists, sociolinguistic, historical linguist, anthropological linguist, diplomat professor, international banking officer On-the-job training/certificates: Customer service representative, tour guide.

Associate's Degree: Cultural

tour guide, junior linguist, travel writer, buyer, real estate agent, sales/service agent, insurance agent, human resources specialist, meeting and convention planner, public relations specialist, technical writer, environmental education specialist, recycling coordinator, legal assistant, legislative assistant, political party staffer, lobbying organizer, volunteer coordinator.

Bachelor's Degree: Categorization analyst, corporate travel manager, cultural advisor, ESL teacher, export manager, FBI linquist, foreign language teacher. foreign rights manager, foreign service officer, import/export agent, interpreter, lexicographer, NCS language officer, open source officer, advertising/promo tions manager, internal/financial auditor, loan officer, management consultant analyst, retail manager, corporate recruiter, residence life coordinator. environmental science technician, green marketing analyst. legislative analyst, social service

Graduate Degree: Program executive director, voice user interface designer, college admissions officer, corporate trainer, disability services manager.

caseworker.

On-the-job training/certificates: Editorial assistant, university clerk, records clerk.

Associate's Degree: Web writer, advertising copywriter, proof-reader, freelance writer, newscaster, playwright, actor/acress, stage director.

Bachelor's Degree: Educational publishing editor, publishing publicist, literary agent, teacher, archaeologist, art historian, classics researcher, consultant, museum curator, social worker, archivist, literary analyst, literary critic, magazine editor, foreign service officer, consultant, advertising account executive, information officer, lexicographer, marketing executive, public relations officer.

**Graduate Degree:** Professor, publisher, librarian, cultural anthropologist, college dean.

On-the-job training/certificates: Museum staff, museum technician, runner for broadcast, film, or video production.

Associate's Degree: Foundation assistant, legislative staff assistant, writer, research assistant, park interpreter, paralegal, litigation support staff.

Bachelor's Degree: Historian, legislative staff, elementary school teacher, secondary school teacher, cultural resource management, historic preservation, journalist, documentary editors, producers of multimedia materials, information managers, archivist, records manager, information manager, program director, curator, bilingual medical historian

Graduate Degree: Professor, librarian, lawyer, foundation director, corporate historian, museum director. On-the-job training/certificates: Musician, musical instrument repairer and tuner, singer, composer, artist, picture framer, potter art auction house staff, art studio assistant, retail/catering assistants, cruise ship entertainer, theme park entertainer, receptionist and clerk for dance organization.

Associate's Degree: Recording engineer, sound technician, ritio, private instructor, marketing, sales, and advertising staff, craft artist, painter, sculptor, illustrator, cartoonist, sketch artist, printmaker, painting restorer, costume designer, set designer, make-up artist, singer, soloist, disc jockey, music/audio technician,

Bachelor's Degree: Art/music therapist, art/music teacher/instructor art dealer art director conservator, curator, art appraisers, art broker/dealer, fine art restorer, photographer, graphic artist/designer, commercial artist arts officers/consultants, web designers, visual artist, art director, multimedia artist/animator, medical/scientific illustrator, professional dancer, choreographer, artistic director for dance comnany fitness/recreation director dance therapist, orchestra musician, studio musician, concert instrumental soloist

**Graduate Degree:** Professor, conductor, music business attorney, publisher, artist management.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path. This is not an all-encompassing list of careers but rather a starting point to begin discussions with a student. Depending on interest and teacher certification, NBISD may not offer all courses and certifications

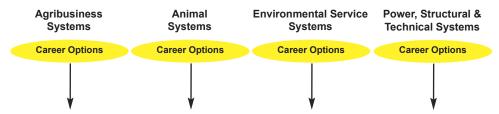
Source: NBISD, Achieve Texas, Career Cruising

Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, welding, logistics, automotive technology, and agricultural science. Career & Technology Education clusters offered at NBISD: Agriculture, Food, and Natural Resources; Arts, Audio/Visual Technology and Communications; Business Management and Administration; Finance; Information Technology; Manufacturing (CTTC); Marketing, and Transportation, Distribution, and Logistics.

#### **Agriculture, Food, and Natural Resources**

Programs of Study: Focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ool



On-the-job training/certificates: Agriculture supplies, bank teller, bookkeeper, farm/ranch employee, livestock auction employee, tax preparer.

Associate's Degree: Feedlot assistant manager, real estate appraiser/inspector, ranch manager, realtor.

Bachelor's Degree: Sales representative, loan officer, financial planner, investment specialist, animal commercial lenders, farm/ranch manager, banker, real estate sales, commodity trader, business owner/coop manager, equipment sales, government, farmer/rancher, certified crop advisor, agricultural researcher, agriculture cooperative manager, chemical salesperson, cooperative extension agent.

Graduate Degree: Financial property manager, economist risk management specialist, international specialist, NAFTA specialist, soil scientist, plant scientist, plant breeder, range scientist, research facility manager.

On-the-job training/certificates: Feedlot employee, NRCS employee, pet store employee, ranch employee, stable employee, wildlife center employee, agriculture research service employee, ranch employee, pet store employee, zoo keeper, certified veterinary assistant.

Associate's Degree: Agriculture product sales, feedlot management, livestock facilities consultant, livestock sales, research assistant, animal caretaker supervisor, laboratory technician, registered veterinary technician.

Bachelor's Degree: Agriculture consultant, ranch manager, Texas Cooperative Extension Agent, research nutritionist, agricultural researcher, mammalogist.

Graduate Degree: Animal facility manager, research associate, property manager for financial institution, licensed veterinarian, veterinarian surgeon, research facility manager, veterinary livestock inspector. On-the-job training/certificates: Community water system employee, rural water supply coop employee, water well driller's helper, rural water supply technician, municipal water department technician, recycling plant system employee, environmental service assistant.

Associate's Degree: NRCS technician, environmental engineering technician, power plant operator, energy technician (solar, biodiesel, geothermal), wind turbine technician.

Bachelor's Degree: Resources manager, agricultural researcher agricultural systems manager, TCE agent, NRCS specialist, agricultural, biological engineer, agricultural systems manager, wind turbine and power plant manager, resource manager.

Graduate Degree: Education specialist, research developer, NRCS lead researcher, TCE specialist, education specialist, research developer, NRCS lead researcher, TCE specialist. On-the-job training/certificates: Farm Equipment: Diesel mechanic, shop helper, tractor mechanic, welder, fitter, remote sensing specialist, quality assurance manager, metal erector's helper, shop helper, welding assistant, welder, fitter, remote sensing specialist, quality assurance manager.

Associate's Degree: Welder, foreman, estimator.

Bachelor's Degree: Agricultural engineer, site manager contractor, extension engineering specialist, project engineer.

**Graduate Degree:** Project developer, risk management specialist.

Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, welding, logistics, automotive technology, and agricultural science. Career & Technology Education clusters offered at NBISD: Agriculture, Food, and Natural Resources; Arts, Audio/Visual Technology and Communications; Business Management and Administration; Finance; Information Technology; Manufacturing (CTTC); Marketing, and Transportation, Distribution, and Logistics.

#### Arts, Audio/Visual Technology and Communications

Programs of Study: Focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooi



On-the-job training/certificates Audio technician, camera operator, film editor, light technician, photographer, recording engineei technician, sound mixer, stage technician, cinematographer, film/video editor

Associate's Degree:

Audio/video engineer, broadcast technician, camera operator, radio/TV announcer, technical director.

Bachelor's Degree: Audio/video events coordinator, film/radio/TV director, producer, program director, station manager/owner.

Graduate Degree: Broadcast news analyst, instructor, professor.

On-the-job training/certificates: Apprentice, broadcast apprentice

Associate's Degree: Broadcast technician, radio and television announcer, reporter, camera operator, tech director.

**Bachelor's Degree:** Producer, program director, station manager/owner.

**Graduate Degree:** Broadcast news analyst, professor.

On-the-job training/certificates: Actor, composer, costume designer, make-up artist, scenic artist, cinematographer technician, usher, lobby attendant.

Associate's Degree: Broadcast technician, film/video editor technician, lighting technician, set designer/builder, sound engineering technician.

**Bachelor's Degree:** Editor, public relations director, writer/author.

**Graduate Degree:** Director, play/script writer, screen editor.

On-the-job training/certificates: Advertising design assistant, bindery worker assistant, courier, desktop publisher assistant, graphic design assistant, press operator, bindery worker, press

Associate's Degree: Art/creative director, desktop publisher, graphic designer.

**Bachelor's Degree:** Job estimator, manager, marketer/business developer.

Graduate Degree: Instructor/pro fessor, shop owner/executive.

On-the-job training/certificates: Assistant to designer, craft store sales clerk, cutting assistant, fabric sales person, merchandise displayer, paint salesperson, retail cothing sales associate, wallpaper salesperson, ceramicist, commercial artist, fine artist, graphic design assistant, photographer, photographic retoucher/restorer, photographic technician, printmaker, scenic artist apprentice, textile designer,

Associate's Degree: Assistant technical designer, merchandise displayer, visual merchandiser, desktop publisher, photographer,

Bachelor's Degree: Chief designer, department head designer, illustrator, pattern designer, sketch artist, art/creative director, art gallery manager, graphic designer, multimedia artist/animator

Graduate Degree: Costume designer, design instructor/professor, graphic designer, high-fashion designer, magazine editor, curator,

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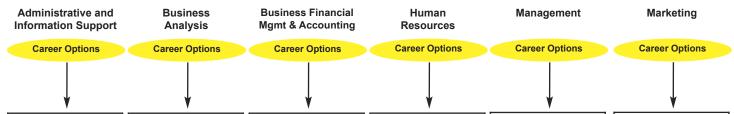
courses and certifications

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#### **Business Management and Administration**

Programs of Study: Careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ool



On-the-job training/certificates: Administrative assistant, billing, cost and rate clerk, dispatcher, information assistant, receptionist, records processor, shipping and receiving clerk, medical coder, claims assistant, human resource assistant.

Associate's Degree: Clerical or records supervisor, facilities man ager, customer service representative

Bachelor's Degree: Business representative, executive assistant, management analyst, virtual office administrator.

Graduate Degree: Public administrator, office manager.

On-the-job training/certificates: Reporting specialist assistant, investment lobby greeter, customer service representative, administrative assistant, database associate, JAVA programmer, virtual office assistant.

Associate's Degree: Quality inspector, applications analyst, market data specialist, program integration specialist, documenta tion analyst.

Bachelor's Degree: Budget analyst, business analyst, cost analyst, market risk manager, corporate reporting analyst.

Graduate Degree: Managemen analyst, systems analyst, export compliance analyst. On-the-job training/certificates: Assistant bookkeeper, accounts payable assistant, assistant billing clerk, cashier, accounting clerk, programmer, office assistant database associate.

Associate's Degree: Adjuster, billing supervisor, accountant, mortgage lender.

Bachelor's Degree: Financial accountant, auditor, credit analyst, collections supervisor, cost controller.

Graduate Degree: Financial analyst, chief financial officer, finance director, corporate controller, treasury analyst. On-the-job training/certificates: Human resource clerk, human resource assistant receptionist, records clerk, office aide, data entry clerk, web assistant, Adobe expert, editing assistant.

Associate's Degree: Personnel recruiter, training clerk, HR information specialist, applicant records coordinator.

Bachelor's Degree: Human resource manager, payroll and benefits analyst, EEO specialist, OSHA/ADA compliance officer, compensation coordinator.

**Graduate Degree:** Training specialist, organizational psychologist, human resource informatior systems manager, operations manager.

On-the-job training/certificates: Business assistant, management trainee, reservations agent, administrative aide, help desk center.

Associate's Degree: Office coordinator, data specialist, first line supervisor, business records clerk.

Bachelor's Degree: Public relations manager, healthcare manager, public administrator, wholesale trade representative, business representative.

**Graduate Degree:** Company executive, management specialist, government administrator, industrial negotiator, business professor.

On-the-job training/certificates: Advertising agent, customer care representative, delivery/display representative, price verification shopper, retail associate, telemarketer, Adobe expert, customer representative, sales specialist.

Associate's Degree: Assistant store manager, assistant buyer, inside sales contact, customer service supervisor, produce representative.

Bachelor's Degree: Marketing manager sales engineer, national account representative, field service representative, pharmaceutical representative.

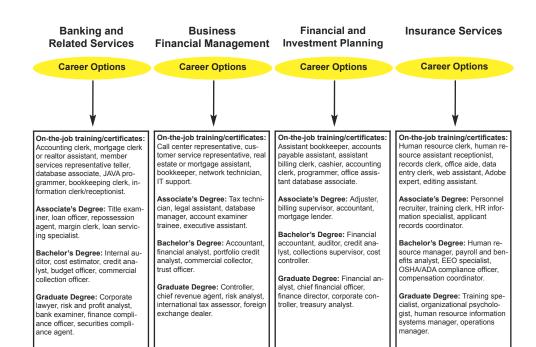
Graduate Degree: Account executive, marketing director, market research analyst, fashion editor.

Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, welding, logistics, automotive technology, and agricultural science. Career & Technology Education clusters offered at NBISD: Agriculture, Food, and Natural Resources; Arts, Audio/Visual Technology and Communications; Business Management and Administration; Finance; Information Technology; Manufacturing (CTTC); Marketing, and Transportation, Distribution, and Logistics.

#### **Finance**

Programs of Study: Focuses on careers in the planning, implementation, production, management, processing, and/or marketing of agricultural commodities and services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ool

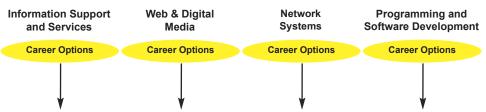


Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, welding, logistics, automotive technology, and agricultural science. Career & Technology Education clusters offered at NBISD: Agriculture, Food, and Natural Resources; Arts, Audio/Visual Technology and Communications; Business Management and Administration; Finance; Information Technology; Manufacturing (CTTC); Marketing, and Transportation, Distribution, and Logistics.

#### **Information Technology**

Encompass entry level, technical, and professional careers related to the design, development and support of hardware, software, multimedia, and systems integration services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ool



On-the-job training/certificates: Desktop support, data processor, administrative assistant, Microsoft Office specialist, Oracle database associate, OSHA CareerSafe, graphics assistant, JAVA programmer, information technician, records clerk, survey assistant.

Associate's Degree: Computer operator, teleprocessing specialist, IT service technician, database analyst, GIS analyst, surveyor, GIS energy technician, geotechnician, mapping technician

Bachelor's Degree: Program system administrator, project manager, configuration wizard, programmer analyst, international support engineer, data analyst, project manager, geologist, environmental inspector, utilities land manager.

Graduate Degree: Security architect, software analyst, informat tion scientist, executive information officer, geographer, cartographer, environmental scientist, information scientist, resource analyst. On-the-job training/certificates:
Web page designer, media aide,
applications specialist, document
specialist, A+, Adobe Expert,
Adobe PageMaker 7.0, Internet
and Computing Core, Internet
Webmaster Associate, Network+,
OSHA CareerSafe, Sun JAVA Associate, Sun JAVA Arsociate, Sun JAVA Programmer,
multimedia writer intern, Adobe IIlustrator, Adobe InDesign, Adobe
Photoshop, product sales, network technician.

Associate's Degree: Web content coordinator, audio technician, visual information operator, motion media crew assistant, video documenter, graphic designer intern, multimedia artist intern.

Bachelor's Degree: Interface developer, application developer, multimedia specialist, medical news producer, film and video editor, web content editor, product sales, network technician.

Graduate Degree: Communications engineer, communications manager, technical director, media producer, radio/TV engineer, web content editor, art director, advertising director, media producer, freelance photographer.

On-the-job training/certificates e-trade technician, computer maintenance technician, A+. Cisco Certified Network Associate. Internation and Computer Core Network+, Cisco Entry Network Technician OSHA Career-Safe, Panduit, applications specialist, programmer, administrative assistant, database associate, audio and video equipment technician, production assistant, telecommunications line installer and repairers, LAN/WAN operator, network technician, network associate, internet help desk, IT support member

Associate's Degree: Network technician, documentation writer, industrial electronics repairer, data systems technician, code programmer, electronics technician, telecommunications repairer, code programmer.

Bachelor's Degree: Autonomy developer, firmware engineer, diagnostic engineer, manufacturing engineer, network engineer, network analyst, interface developer, multimedia specialist, program manager, sound engineer technician, computer analyst.

Graduate Degree: Robotics engineer, manufacturing engineering, embedded electronics engineer, communication network designer, communication sengineer, communication manager, media producer, network systems director, radio/TV engineer, integration engineer, wireless device specifier. On-the-job training/certificates: Product specialist, applications support, web developer, A+, JAVA programmer, Network +, OSHA CareerSafe, applications specialist, database associate, product instructor, system admin-

Associate's Degree: Documentation developer, data normalizer, PLC programmer, SQL script writer, assembly language retroagent

Bachelor's Degree: Configuration analyst, software developer, solutions developer, data auditor, technical support manager.

Graduate Degree: Simulations architect, computer linguist, technology columnist, cryptologic systems programmer, IT language historian.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path. This is not an all-encompassing list of careers but rather a starting point to egin discussions with a student. Depending on interest and teacher certification, NBISD may not offer all courses and certifications

Source: NBISD, Achieve Texas, Career Cruising

Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, welding, logistics, automotive technology, and agricultural science. Career & Technology Education clusters offered at NBISD: Agriculture, Food, and Natural Resources; Arts, Audio/Visual Technology and Communications; Business Management and Administration; Finance; Information Technology; Manufacturing (CTTC); Marketing, and Transportation, Distribution, and Logistics.

#### Manufacturing

Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh

### Alamo Colleges Advanced Technology & Manufacturing Academy

New Braunfels ISD has a partnership with Alamo Colleges so students can join the two-year Advanced Technology & Manufacturing Academy. Students explore specific career paths and acquire unique skills in manufacturing productions operations and facilities maintenance during their junior and senior years. NBISD provides a shuttle daily to Central Texas Technology Center so students can participate.

Students have access to a paid industry internship between their junior and seniors years.

After graduation, students can expect starting salaries from \$10/hour to \$15/hour. The San Antonio Manufacturers Association (SAMA) is a committed partner, offering job internship opportunities. The manufacturing industry is one of the largest sectors of the San Antonio economy. Its economic impact in 2006 was \$14.4 billion, paying nearly \$2.2 billion in wages and salaries.

Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, welding, logistics, automotive technology, and agricultural science. Career & Technology Education clusters offered at NBISD: Agriculture, Food, and Natural Resources; Arts, Audio/Visual Technology and Communications; Business Management and Administration; Finance; Information Technology; Manufacturing (CTTC); Marketing, and Transportation, Distribution, and Logistics.

#### Marketing

Marketing, Sales, and Service careers encompass planning, managing, and performing marketing activities to reach organizational objectives.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh



On-the-job training/certificates: Cashier, customer service representative, merchandise displayer, product demonstrator, sales associate, shipping and receiving clerk, sales representative, esales coordinator, e-commerce designer, site designer.

Associate's Degree: Retail sales supervisor, department manager, buyer, visual merchan diser, purchasing agent.

Bachelor's Degree: Store manager, marketing manager, merchandising manager, procurement specialist, purchasing manager.

Graduate Degree: Management analyst, operations researcher, virtual marketer, business auditor

On-the-job training/certificates: Circulation manager, inventory clerk, media distributor, router, shipping clerk, travel guide, travel associate, computer reservationist, customer service representative.

Associate's Degree: Logistics coordinator, freight agent, transportation inspector, fleet coordinator, shipping manager.

Bachelor's Degree: Commute planner, safety inspector, transit performance auditor, transportation security specialist, transportation engineer.

Graduate Degree: Global sales director, contract negotiator, acquisition integrator, transportation planner, emergency operations On-the-job training/certificates: Human resource clerk, human resource assistant receptionist, records clerk, office aide, data entry clerk, web assistant, Adobe expert, editing assistant.

Associate's Degree: Applications developer, website designer, web developer, portal programmer, XML tagger.

Bachelor's Degree: Consumer analyst, marketing manager, transaction analyst, electronic marketing supervisor, visual mer chandising specialist.

**Graduate Degree:** Brand director, internet investigator, business portal manager, director broadcast retailing, EDI expert.

On-the-job training/certificates: Auto parts sales and service, cashier, collections worker, entrepreneur, insurance agent, new accounts representative, retail sales representative, telemarketer, Adobe editor, e-sales specialist, client contact specialist, administrative assistant, bank or credit union greeter, title agent.

Associate's Degree: Product promoter, purchasing agent, independent distributor, department manager, franchise manager, real estate assessor, property manager, design assistant, building inspector, property photographer.

Bachelor's Degree: Promotions manager, product manager, small business owner, business principal, investor, real estate appraiser, interior designer, insurance adjuster or examiner, mapping specialist, construction project manager.

Graduate Degree: Production manager, business developer, management consultant, business investor, company president, credit analyst, architect, community association manager, real estate financier, property developer

On-the-job training/certificates: Account sales, advertising sales consultant, appointment setter, call center representative, outside sales intern, publication sales agent, office assistant, Adobe graphics editor.

Associate's Degree: Media staff, marketing associate, promotions coordinator, public relations coordinator, photographic specialist.

Bachelor's Degree: Art/graphics director, account executive, creative director, media planner, public relations manager.

**Graduate Degree:** Research specialist, public affairs officer, media analyst, media director, strategic initiatives director.

On-the-job training/certificates: Advertising design assistant, interviewer, product demonstrator, sales associate, survey assistant, telemarketer, web researcher, office assistant, programmer, database associate.

Associate's Degree: Assistant product manager, cost estimator, database specialist, mathematical technician, merchandiser.

Bachelor's Degree: Data analyst, data miner, operations research analyst, research analyst statistician.

**Graduate Degree:** Economist, intelligence specialist, business forecaster, business process modeler, opportunity analyst.

On-the-job training/certificates: Entrepreneur, new accounts representative, plastic model maker, precision bench worker, product demonstrator, technical sales trainee, telemarketer, sales professional, travel associate, Adobe editor, outside sales representative, business developer web banner designer, parts sales person, web researcher, web advertiser, wholesale sales associate, advertising sales, independent

Associate's Degree: Accessories designer, merchandise displayer, retail buyer, cost estimator, precision equipment repairer, marketing researcher, package designer, sales specialist, wholesale and retail buyer.

distributor

Bachelor's Degree: Commercial designer, geological technician, exhibit designer, commercial artist, international sales director, marketing director, product manager, field sales representative, technical communicator.

Graduate Degree: Materials scientist, mineral engineer, manufacturing executive, commodities trader, consultant, general manager, industrial designer, national accounts manager, regional sales director, product engineer.

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Includes courses directly related to: database management, information technology, communications, accounting, finance, marketing, graphic design, welding, logistics, automotive technology, and agricultural science. Career & Technology Education clusters offered at NBISD: Agriculture, Food, and Natural Resources; Arts, Audio/Visual Technology and Communications; Business Management and Administration; Finance; Information Technology; Manufacturing (CTTC); Marketing, and Transportation, Distribution, and Logistics.

#### **Transportation, Distribution, and Logistics**

Focuses on careers in the planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional and technical support services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh

# Facility & Mobile Equipment Maintenance Career Options

On-the-job training/certificates: Auto mechanic, auto diesel mechanic, transmission repair specialist, mechanic military service, technician, truck me-

Associate's Degree: Industrial electrician, master mechanic, supervisor specialty technician.

**Bachelor's Degree:** Industrial engineer manager.

**Graduate Degree:** Contracting, instructor/professor, research and development, airport manager, aircraft maintenance development.

Health, Safety, and Environmental Management

Career Options

On-the-job training/certificates: Dealership technician, safety technician.

Associate's Degree: Automotive, boat, truck, rail or plane safety, industrial electrical safety, specialty technician supervisor.

Bachelor's Degree: Industrial safety inspector manager, Occupational Safety and Health Administration, U.S. Department of Transportation.

Graduate Degree: Federal Aviation Administration, instructor/professor, airport and ports safety, National Highway Traffic Safety Administration.

Sales and Service

Career Options

On-the-job training/certificates: Automotive maintenance technician, automotive parts clerk, reservation agent, travel agent, cashier, clerk, dealership training/sales.

Associate's Degree: Sales representative, specialty technician supervisor.

**Bachelor's Degree:** Manager, Occupational Safety and Health Administration.

**Graduate Degree:** Instructor/professor, marketing manager, research and development.

#### Alamo Colleges Aerospace Academy

New Braunfels ISD has a partnership with Alamo Colleges so students can join the two-year Aerospace Academy. Students receive technical training in airframe and powerplant mechanics for careers in aerospace maintenance during their junior and senior years. NBISD provides a shuttle daily to St. Philip's College Southwest Campus so students can participate.

Students have access to a paid industry internship between their junior and seniors years.

After graduation, students will be prepared for aerospace industry jobs. They can continue training toward a FAA license or use their college credits toward further education at the college level.

Includes courses directly related to: education and training, and law enforcement. Career & Technology Education clusters offered at NBISD: Education and Training; Human Services; Law, Public Safety, Corrections, and Security, Health Science.

#### **Education and Training**

Programs of Study: Planning, managing and providing education and training services, and related learning support services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh

Teacher and Training Professional Support Administration and Administrative Support

Career Options Career Options Career Options

On-the-job training/certificates: Community youth services aide, educational aide, library aide, preschool aide/worker, recreational aide, teachers assistant, life and wellness coach, before/after-school assistant, child care workers.

Associate's Degree: Afterschool program supervisor, assistant teacher, human resources assistant, recreation attendant, social services aide, group worker, self enrichment teacher.

Bachelor's Degree: Adult educator, training and development specialist, human resources manager, elementary/secondary teacher, entrepreneur, child care administrator/supervisor, child life specialist, preschool teacher, special education teacher, coach, cooperative extension agent.

Graduate Degree: Training and development manager, cooperative extension director, human resources director, educational consultant, corporate trainer, child care director/owner, educational administrator, special education specialist, university instructor/professor.

On-the-job training/certificates: Educational aide, community youth services aide, library aide, preschool aide/worker, school office assistant, teacher assistant.

Associate's Degree: Afterschool program supervisor, assistant teacher, group worker/assistant, recreation attendant, social services aide.

Bachelor's Degree: Adult educator, counseling aide, social services worker, special education teacher, teacher.

Graduate Degree: Counseling psychologist, counselor educator, inclusion specialist, school counselor, special education specialist. On-the-job training/certificates: Educational aide, commu-

cates: Educational aide, community youth services aide, library aide, preschool aide/worker, school office assistant, teacher assistant, recreational aide, summer camp counselor.

Associate's Degree: Afterschool program supervisor, assistant teacher, social services aide.

Bachelor's Degree: Adult educator, curriculum development specialist, middle school teacher, elementary teacher, secondary teacher.

**Graduate Degree:** College president, dean, educational researcher, principal, superintendent, supervisor and instruction coordinator, university instructor, professor.

Includes courses directly related to: education and training, and law enforcement. Career & Technology Education clusters offered at NBISD: Education and Training; Human Services; Law, Public Safety, Corrections, and Security, Health Science.

#### **Human Services**

Programs of Study: Preparing individuals for employment in career pathways that relate to families and human needs.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh

Consumer Services Counseling & Mental Health Services Development & Services

Career Options Career Options Career Options

On-the-job training/certificates: Account collector, bank teller, billing and posting clerk, data entry clerk, payroll and time-keeping clerk, sales consultant, furnishings sales associate, retail salesperson, showroom assistant, retail salesperson, investory clerk.

Associate's Degree: Accounting clerk, accounting office manager, bookkeeper, procurement clerk, sales manager, assistant store manager, display designer, furnishings and equipment sales associate, retail salesperson, merchandise displayer.

Bachelor's Degree: Accountant, financial consultant, loan counselor, personal financial advisor, securities/investment banker, assistant buyer, manufacturer's agent, sales manager, sales representative, sales trainer.

Graduate Degree: Chief financial officer, financial analyst, financial/estate planner, financial manager, personal financial manager, advertising/promotions manager, market research analyst, purchasing manager, vice president of sales.

On-the-job training/certificates: Community youth services aide, personal/home care aide, preschool aide/worker, recreation aide, social worker aide.

Associate's Degree: Addiction counselor trainee, group worker/assistant, personal/home care aide, social services aide.

Bachelor's Degree: Adult educator, counseling aide, social services worker, volunteer coordinator, rehabilitation aide.

Graduate Degree: Addiction counselor, behavioral disorder counselor, family counselor, gerontology counselor, marriage and family therapist. On-the-job training/certificates: Child care worker, educational aide, library assistant, preschool aide/worker, teacher's assistant.

Associate's Degree: Afterschool program supervisor, teaching assistant, child care worker, lead teacher, social services aide.

Bachelor's Degree: Child care administrator, child care supervisor, child life specialist, preschool-elementary teacher, special education teacher.

Graduate Degree: Child care director/owner, education administrator, special education specialist, university instructor or professor.

On-the-job training/certificates: Dietary aide, food service worker, community outreach aide, community support aide, life skills counselor aide, mental health aide, personal/home care aide. social worker aide.

Family & Community

Services

**Career Options** 

Associate's Degree: Dietetic technician, certified dietary manager, case management aide, government-eligibility interviewer, home care services manager, physical therapist assistant, social and human services assistant, community outreach worker, community support worker.

Bachelor's Degree: Registered dietitian, nutritionist, food service manager, administrative assistant, community and social services specialist, counseling aide, medical office manager, social services caseworker, adult educator, counseling/gerontology aide. volunteer coordinator.

Graduate Degree: Nutrition consultant, nutrition educator, nutrition researcher, geriatric care manager, gerontology counselor, life skill counselor, medical and health services manager, residential advisor, career counselor, life skill counselor, residential advisor, social and community service manager.

This plan of study serves as a guide, along with other career planning materials, for pursuing a career path. This is not an all-encompassing list of careers but rather a starting point to egin discussions with a student. Depending on student interest and teacher certification, NBISD may not offer all

courses and certifications.

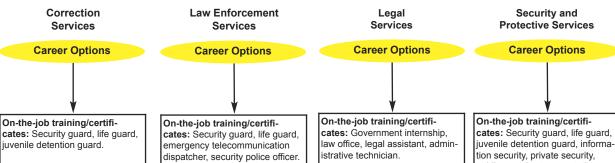
Source: NBISD, Achieve Texas,

Includes courses directly related to: education and training, and law enforcement. Career & Technology Education clusters offered at NBISD: Education and Training; Human Services; Law, Public Safety, Corrections, and Security, Health Science.

#### Law, Public Safety, Corrections, and Security

Programs of Study: Focuses on careers in planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics; www.bls.gov/ooh



Associate's Degree: Correctional officer, jail officer, probation officer, social worker, substance abuse specialist.

Bachelor's Degree: Correctional officer, corrections technician. federal correctional administrator. parole officer, probation officer.

Graduate Degree: Correctional law, instructor/professor, parole administration, probation administration, attorney.

Associate's Degree: Bailiff, Border Patrol, immigration inspectors, park ranger.

Bachelor's Degree: Correctional officer, detective, federal correctional administrator, gaming investigator, instructor.

Graduate Degree: Correctional administration, lawyer, parole administration, probation administration, federal agencies.

Associate's Degree: Court clerk, law assistant, legal secretary, paralegal, court reporter.

Bachelor's Degree: Government legal librarianship, private law practice, public interest law, negotiator.

Graduate Degree: Administration of legal services, lawyer, instructor/professor, state/federal agency administrator, judge.

public security, transportation security, ski patrol.

Associate's Degree: Corporate security, diplomatic courier, information security, municipal security, gaming surveillance.

Bachelor's Degree: Diplomatic security, information security, state or federal security, transportation security.

Graduate Degree: Homeland Security, research and policy, security administration, security

Includes courses directly related to: education and training, and law enforcement. Career & Technology Education clusters offered at NBISD: Education and Training; Human Services;

Law, Public Safety, Corrections, and Security, Health Science.

#### **Health Science**

Programs of Study: Focuses on careers in planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh

Diagnostic Health Support Therapeutic Services Services

Career Options Career Options Career Options

Career Options Career Options Career Options

On-the-job training/certificates: Histologic technician, laboratory assistant, phlebotomist, laboratory technician, Dietary aide, food service worker, dietetic technician.

Associate's Degree: Medical laboratory technician, histology technician, clinical laboratory technician, dietetic technician, nutritionist, echocardiographer, electrocardiographic technician, cardiovascular technologist, electroencephalographic technician, electroneurodiagnostic technician.

Bachelor's Degree: Clinical lab scientist, medical technologist, forensic scientist, registered dietitian, licensed dietitian, nutritionist, dietary counselor, perfusionist, health care management.

Graduate Degree: Histotechnologist, forensic scientist, clinical lab management, research scientist, dietetic educator, dietetic researcher, cardiovascular surgeon, health care administrator.

On-the-job training/certificates: Admitting clerk, medical assistant, unit secretary, medical transcriptionist.

Associate's Degree: registration clerk, medical staff professional, health information supervisor, medical secretary, medical coding associate, medical insurance claims biller, certified tumor registrar, office manager, health information coder, claims analyst or auditor, medical biller, patient financial services manager, health information technician, cancer registrar.

Bachelor's Degree: Public health educator, patient advocate, health information management director, practice workflow analyst, health care administrator, data analyst, project manager, systems analyst, applied researcher, data consultant, compliance/risk management officer, privacy officer, director of medical records, health services manager, security officer, patient advocate.

Graduate Degree: Researcher, health care system management, management consulting, public health administrator, health information exchange data manager, medical librarian, systems analyst, health information exchange administrator.

On-the-job training/certificates: Central services technician, sterile processing and distribution.

Associate's Degree: Biomedical technician, clinical technician, environmental science technician, biological technician.

Bachelor's Degree: Biomedical engineer, materials manager, environmental engineer, facilities manager, industrial hygienist.

Graduate Degree: Systems management, environmental analyst, environmental scientist, Occupational Health & Safety specialist.

On-the-job training/certificates: Dental assistant, phle-botomist, laboratory assistant, transport aide, mental health aide, psychiatric aide, medical office assistant, nursing assistant, medication aide, home health aide, LVN, drug store clerk, medical office assistant, emergency care attendant, acupuncturist assistant, orthotist/prosthesis assistant, message therapist, ophthalmic assistant, optometric assistant, ophthalmic technician.

Associate's Degree: Dental hygienist, EMT-paramedic, emergency services technician, human services aide, child life assistant, assistant activities director, RN, pharmacy technician, medical assistant, art, music, dance therapist, physical therapy assistant, occupational therapy assistant, respiratory therapy, optician, ophthalmic technician, optometric technician.

Bachelor's Degree: Researcher, emergency medical services director, emergency room nurse, physician assistant, counseling aide, social worker, child life specialist, activities director, RN, school nurse, nursing supervisor, director of nursing, diabetic educator, therapeutic nutrition, systems manager, audiology assistant, assistant in speech-language pathology.

Graduate Degree: Dentist, oral surgeon, orthodontist, periodontist, pediatric dentist, emergency room physician, psychiatrist, psychologist, drug abuse counselor, rehabilitation counselor, substance abuse counselor, nurse practitioner, nursing informatics, certified registered nurse, nursing administration, clinical nurse specialist, pharmacist, nuclear pharmacist, pharmacy practitioner, pediatric specialist, oncology specialist, podiatrist, physician assistant, chiropractor, doctor of medicine, doctor of osteopathy, optometrist, audiologist, speech-language pathologist, therapeutic manager, therapeutic researcher.

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This plan of study serves as a

Source: NBISD, Achieve Texas, Career Cruising

# **Endorsement: Science, Technology, Engineering, Math**

Science, Technology, Engineering, and Mathematics Endorsement

Includes courses directly related to: science, including environmental science, technology, including computer science, advanced math, and health sciences. Career & Technology Education clusters offered at NBISD: Engineering.

#### Science, Technology, Engineering, Mathematics

Programs of Study: Planning, managing, and providing scientific research and professional and technical services including laboratory and testing services, and research and development services.

Additional source for occupations can be found in the Occupational Outlook Handbook, published by the Bureau of Labor Statistics: www.bls.gov/ooh

