

APPROVED DUAL CREDIT COURSES FOR 2019-2020

All courses for North Lake College are taught at the college or online, unless specified otherwise.

CISD Course	CISD Credit	North Lake College Course	North Lake Credit	TSI
		English Language Arts		
@English IV A	.5	ENGL 1301: Composition I	3 hours	R & W
@English IV B	.5	ENGL 1302: Composition II	3 hours	ENGL 1301 w/ C or better
@English IV A	.5	ENGL 1302: Composition II, with proof of English AP English credit of 3,4, or 5	3 hours	ENGL AP Score of 3 or higher
@English IV B	.5	ENGL 2322: British Literature or ENGL 2327: American Literature or ENGL 2328: American Literature or ENGL 2332 World Literature	3 hours	ENGL 1302
@Independent Study in English A-1 st time taken	.5	ENGL 2322: British Literature I	3 hours	ENGL 1302
@Independent Study in English B-1 st time taken	.5	ENGL 2323: British Literature II	3 hours	ENGL 1302
@Independent Study in English A-1 st time taken	.5	ENGL 2327: American Literature I	3 hours	ENGL 1302
@Independent Study in English B-1 st time taken	.5	ENGL 2328: American Literature II	3 hours	ENGL 1302
Communication Applications	.5	SPCH 1311: Introduction to Speech Communication or SPCH 1315: Fundamentals of Public Speaking	3 hours	R & W
		Fine Arts		
Music History	1	MUSI 1306: Music Appreciation	3 hours	R
Theatre Arts I	1	DRAM 1310: Introduction to Theater Intro to Cinema	3 hours	R
Theatre Production I	1	DRAM 2366: Film Appreciation I	3 hours	R
Art III History	1	HUMA 1315: Fine Arts Appreciation	3 hours	R
Art III History	1	ARTS 1301: Art Appreciation	3 hours	R

Art III History	.5	ARTS 1303: Survey of Art History Art History 1	3 hours	R
Art III History	.5	ARTS 1304: Survey of Art History Art History 2	3 hours	R
Contemporary Media	1	COMM 1307: Intro to Mass Communications	3 hour	R & W
		Social Studies & Government		
ⓂEconomics	.5	ECON 2301: Principles of Macroeconomics	3 hours	R
ⓂEconomics Advanced Studies	.5	ECON 2302: Principles of Microeconomics	3 hours	R
ⓂGovernment	.5	GOVT 2305: Federal Government	3 hours	R & W
ⓂSpecial Topics in Social Studies	.5	GOVT 2306: Texas Government	3 hours	R & W
ⓂUS History A	.5	HIST 1301: History of the United States I	3 hours	R & W
ⓂUS History B	.5	HIST 1302: History of the United States II	3 hours	R & W
Sociology	.5	SOCI 1301: Introduction to Sociology	3 hours	R & W
Psychology	.5	PSYC 2301: General Psychology	3 hours	R
Social Studies Adv. Studies 1 st time taken	.5	PHIL 1301: Introduction to Philosophy	3 hours	R
Social Studies Adv. Studies 2 nd time taken	.5	PHIL 2306: Ethics	3 hours	R
		LOTE		
ⓂAmerican Sign Language I	1	SGNL 1301: Beginning American Sign Language I	3 hours	R
ⓂAmerican Sign Language II	1	SGNL 1302: Beginning American Sign Language II	3 hours	R
ⓂAmerican Sign Language III	1	SGNL 2301: Intermediate American Sign Language I	3 hours	R
ⓂSpanish I	1	SPAN 1411: Beginning Spanish I	4 hours	R
ⓂSpanish II	1	SPAN 1412: Beginning Spanish II	4 hours	R
ⓂSpanish III	1	SPAN 2311: Intermediate Spanish I	3 hours	R
ⓂSpanish IV	1	SPAN 2312: Intermediate Spanish II	3 hours	R
ⓂFrench I	1	FREN 1411: Beginning French I	4 hours	R
ⓂFrench II	1	FREN 1412: Beginning French II	4 hours	R
ⓂFrench III	1	FREN 2311: Intermediate French I	3 hours	R

ⓂFrench IV	1	FREN 2312: Intermediate French II	3 hours	R
		Math		
ⓂIndependent Study in Mathematics	.5	Math 1314: College Algebra *Pre-Calculus A	3 hours	College Level Math Scores
ⓂIndependent Study in Mathematics	.5	Math 1316: Plane Trigonometry *Pre-Calculus B	3 hours	Math 1314
ⓂIndependent Study in Mathematics	.5	Math 2342: Introductory Statistics Math:1342 Elementary Statistics	3 hours	College Level Math Scores
ⓂIndependent Study in Mathematics	.5	Math 2412: Precalculus Math	4 hours	Math 1316
ⓂIndependent Study in Mathematics	.5	Math 2413: Calculus I	4 hours	Math 2412
ⓂIndependent Study in Mathematics	.5	Math 2414: Calculus II	4 hours	Math 2413
Independent Study in Math A	.5	Math 1350: Teaching Math in Elementary and Middle School I	3 hours	Math 1314
Accounting I	1	ACCT 2701D: Principles of Accounting I	3 hours	Math Met on TSI
Accounting II	1	ACCT 2702D: Principles of Accounting II	3 hours	ACCT 2301
		Science		
ⓂScientific Research & Design	.5	BIOL 1406: Biology for Science Majors I w/lab	4 hours	R & W and TSI Math Met
ⓂScientific Research & Design	.5	BIOL 1407: Biology for Science Majors II w/ lab	4 hours	Biol 1406
ⓂScientific Research & Design	.5	BIOL 1408: Biology for Non-Science Majors I w/lab	4 hours	R & W
ⓂScientific Research & Design	.5	BIOL 1409: Biology for Non-Science Majors II w/lab	4 hours	R & W
ⓂScientific Research & Design	.5	BIOL 1411: Intro. To Botany	4 hours	R & W
ⓂScientific Research & Design	.5	BIOL 1322: Principles of Nutrition	3 hours	R & W
ⓂScientific Research & Design	.5	BIOL 2406: Environmental Biology	4 hours	R & W

@Scientific Research & Design	.5	CHEM 1405: Introduction to Chemistry I w/lab	4 hours	R & Complete DMAT 0305 or Mat Met
@Scientific Research & Design	.5	CHEM 1407: Introduction to Chemistry II w/lab	4 hours	R & Complete DMAT 0305 or Math Met
@Scientific Research & Design	.5	CHEM 1411: General Chemistry I w/lab	4 hours	R & Math Met
@Scientific Research & Design	.5	CHEM 1412: General Chemistry II w/lab	4 hours	CHEM 1411
@Scientific Research & Design	.5	PHYS 1401: College Physics I	4 hours	R & completed Math 1314 and take Trig Assessment for Physics readiness
@Scientific Research & Design	.5	PHYS 1402: College Physics II	4 hours	PHYS 1401
@Scientific Research & Design	.5	PHYS 1405: Elementary Physics I	4 hours	R
@Scientific Research & Design	.5	PHYS 1407: Elementary Physics II	4 hours	R
@Scientific Research & Design	.5	PHYS 2425: University Physics I	4 hours	R & Completed MATH 2413
@Scientific Research & Design	.5	PHYS 2426: University Physics II	4 hours	PHYS 2425 and Math 2414
@Scientific Research & Design		GEOL 1401: Earth Science	4 hours	R
@Scientific Research & Design	.5	GEOL 1403: Physical Geology	4 hours	R
@Scientific Research & Design	.5	GEOL 1404: Historical Geology	4 hours	Geol 1403
		HEALTH		
Health	.5	PHED 1304: Health For Today	3 hours	R
		Business & Technology		
Advertising and Sales Promotion	.5	MRKG 1311: Principles of Marketing	3 hours	TSI R & W Scores on file College Ready reading, writing, and math skills strongly recommended
Audio Video Production	.5	RTVB 1305: Intro. to Television Technology	3 hours	TSI R & W Scores on file
Business Information Management I	1	BCIS 1405: Business Computer Application w/lab	4 hours	R

Principles of Business, Marketing and Finance	.5	BUSI 1301: Introduction to Business	3 hours	TSI R & W Scores on file College Ready reading, writing, and math skills strongly recommended
Money Matters	1	BUSI 1307: Personal Finance	3 hours	R
Business Law	1	BUSI 2301: Business Law	3 hours	TSI R & W Scores on file College Ready reading, writing, and math skills strongly recommended. Recommended: High school coursework in U.S. history and government, or equivalent.
Touch System Data Entry	.5	POFT 1329: Beginning Keyboarding 1127 Intro to Keyboarding	3 hours	TSI R & W Scores on file
Web Technologies	.5	IMED 1416: Web Design I 1316 Web Design I	4 hours	TSI R & W Scores on file
		POFI 1349: Microsoft Excel 2013 Microsoft Excel 2016	3 hours	TSI R & W Scores on file
		POFI 2301: Microsoft Word 2013 Microsoft Word 2016	3 hours	TSI R & W Scores on file
Computer Maintenance	1	ITSC 1401: Intro. To PC Operating Systems 1301: Intro. To PC Operating Systems		TSI R & W Scores on file
Computer Science I	1	COSC 1401: Introduction to Computing 1301: Introduction to Computing	4 hours	R
Computer Science II	1.	COSC 1436: Intro. to Computer Science & Programming 1436: Programming Fundamentals	4 hours	R
		Logistics Technology		
Principles of Transportation, Distribution and Logistics	1	LMGT 1319: Intro. to Business Logistics	3 hours	TSI R & W Scores on file
Logistics, Planning, and Management Systems	1	LMGT 1321: Intro. to Materials Handling	3 hours	TSI R & W Scores on file
Transportation Systems Management	1	LMGT 1323: Domestic & International Transportation Management	3 hours	TSI R & W Scores on file
		LGMT 1341: Freight Loss and Damage Claims	3 hours	TSI R & W Scores on file
		CCNA Certification (Level 1)		

CISCO 1	.5	ITCC 1477: Cisco Exploration 1 - Network Fundamentals CCNA 1414: Intro to Networks	4 hours	
CISCO 2	.5	ITCC 1478: Cisco Exploration 2 – Routing Protocols and Concepts 1440 CCNA2:Route & Switchessent	4 hours	
CISCO 3	.5	ITCC 2476: Cisco Explorations 3 – LAN Switching and Wireless 2412 CCNA 3: Scaling Networks	4 hours	
CISCO 4	.5	ITCC 2477: Cisco Exploration 4 – Accessing the WAN 2413 CCNA 4: Connecting Networks	4 hours	
		CCNP Certification (Level 1)		PreReq: CCNA
CISCO 5	.5	ITCC 2454: CCNP Routing-Implementing IP Routing	4 hours	
CISCO 6	.5	ITCC 2455: CCNP Switch-Implementing IP Switching	4 hours	
CISCO 7	.5	ITCC 2456: CCNP TSHOOT-Maintaining and Troubleshooting IP Networks	4 hours	
CISCO Elective (CCNP) – Choose 1	.5	ITSC 1401: Intro to Computers or ITSC 1405: Intro to PC Operating Systems or ITSC 1407: UNIX Operating System I or ITSC 1409: Integrated Software Application I or ITSC 1425: Personal Computer Hardware or ITSW 1401: Intro to Word Processing or ITSW 1404: Intro to Spreadsheets or ITSW 1407: Intro to Database or ITSW 1410 Intro to Presentation Graphic Software	4 hours	

BROOKHAVEN COLLEGE CAREER & TECHNICAL EDUCATION DUAL CREDIT COURSES

All courses for Brookhaven College are taught at the college or online, unless specified otherwise.

AUTO TECH

Grade: 12 Level: 3 Credit: 3

Prerequisite: None

Interested in a career as an automotive service technician? Begin your training through CISD's Dual-Credit Program with Brookhaven College. Today's automobiles are equipped with multiple computers and extensive electronics. Servicing vehicles equipped with active suspension, satellite guidance systems and computer controlled, multi-valve engines require highly specialized training. Brookhaven College Automotive Technology Program is listed by the Texas higher Education Coordinating Board as a provider of "national excellence" in higher education. The program provides seven paths of training for a career in automotive service. <http://www.brookhavencollege.edu/instruction/automotive/> Typically **the classes meet from 1:00-5:30 Monday through Thursday**. The curriculum is composed of the following s courses:

Fall Semester 2018:

AUMT 1305-21104 Introduction to Automotive Technology
AUMT 1307-21104 Electrical/Electronics
AUMT 1316-21104 Steering & Suspension
AUMT 1310-21104 Brakes

Spring Semester 2018:

AUMT 2313-23104 Manual Transmissions/Drivetrain
AUMT 2325-23104 Auto Trans I
AUMT 2332-23104 Auto Trans II
AUMT 1345-23104 HVAC

CHILD DEVELOPMENT

Grade: 12 Level: 3 Credit: 4

Prerequisite: None

Brookhaven College's Child Development Department offers different tracks that prepare learners for the fields of Child Development, Early Childhood Education and Education. The foundational knowledge and skills acquired in each program are critical to becoming a true master of the art and science of teaching. Learners will excel with help from the programs' core of experienced faculty who have a wide breadth of knowledge in the field and focus on YOU as the learner. Brookhaven College also has a partnership with Head Start of Greater Dallas, where learners are able to complete observations and course work. The curriculum is composed of the following 3 courses:

CDEC 1417 Child Development Associate Training I
CDEC 2422 Child Development Associate Training II
CDEC 2424 Child Development Associate Training III

EMERGENCY MEDICAL TECHNICIAN (Dual Credit @ CHS)

Grade: 12 Level: 3 Credit:

Prerequisites: Health Science Theory and Biology.

Recommended Prerequisites: Principles of Health Science and Medical Terminology

***See CHS course 7408Y Practicum in Health Science - EMT for further information.**

Fall Semester 2018:

EMSP 1501

Spring Semester 2018:
EMSP 1164
EMSP 1391

GEOGRAPHIC INFORMATION SYSTEMS TECHNOLOGY

Grade: 12 Level: 3 Credit: 4

Prerequisite: None

Would you like to develop high-tech skills that will virtually guarantee you job success? Get in on an emerging technology that is expanding at an exponential pace? Learn to integrate highly sophisticated digital information with the problem-solving and analytical skills that will make you indispensable to a wide range of professions? Then check out DCCCD GIS program! Geographic information systems (GIS) is one of three major components of a rapidly emerging industry that also includes global positioning satellite technology and remote sensing technology. GIS technology uses specialized computer systems to get geographic data and integrate it into intelligent "super" maps. The data can then be used to create endless "what if" scenarios, providing a powerful tool for applications including:

- Cartography (map making)
- Emergency management
- Environmental sciences and security
- Forest and range management
- Homeland security
- Medicine and health care
- Real estate development and appraisal
- Social services
- Transportation
- Urban planning and development
- Water resources

The curriculum is composed of the following 3 courses:

- GISC 1125 Concepts and Careers in GIS
- GISC 1411 Introduction to GIS
- GISC 1421 Introduction to Raster-Based GIS
- GISC 2311 GIS Application

MEDICAL OFFICE MANAGEMENT - ADMINISTRATION

Grade: 12 Level: 3 Credit: 4

Prerequisite: None

Medical front office support professionals function in the office, handling incoming and outgoing patients. They perform administrative duties that require skills to schedule and monitor appointments, create and maintain patient records. This program prepares you the Medical Front Office Assistant Skills Achievement Award and will prepare you to handle medical billing, coding and insurance, and electronic health records. The class will meet from 1:30-4:20

- POFI 1104 Computer Fundamentals
- POFT 1127 Intro to Keyboarding
- MDCA 1313 Medical Terminology
- POFM 1317 Medical Administration Support
- POFM 1302 Medical Software Applications
- POFM 1191 Special Topics (Medical Office Simulation)