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ECCHS 4-Year Plan
Associate of Applied Science in Software Programmer/Developer

SCHOOL INFORMATION

Independent School District: Dallas

Early College High School: Dr. Emmett J. Conrad Global Collegiate Academy

Dallas College Campus: Richland

Catalog Year: 2021 – 2022 / Class of 2025

CAREER INFORMATION

Career Pathway: _____ High School Plan: STEM

Endorsements: _____

Certificate 1: Programmer Level I	Certificate 2: Software Programmer/Developer Assistant

High School Courses

9th Grade	
English I	Math *
Social Studies	Biology
MAPS/TSI Preparation	Fine Arts
Health/PE	

10th Grade	
English II	Math *
Social Studies	Chemistry
World Languages I	

11th Grade	
English III	US Government/Economics
Physics	World Languages II

12th Grade	
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College Courses

Semester	With 9 th Grade – College Courses	Semester	
Fall	ITSC 1401 -Introduction to Computers (C2 only) DISD #7996		
			Total Credit Hours: 4

Semester	With 10 th Grade – College Courses	Semester	
Fall	ITSE 1429 – Programming Logic and Design (C1, C2, AAS) DISD #5241	Spring	SPCH 1311 – Introduction to Speech Communication (AAS) DISD #1943
Spring	ITSE 2417 – Java Programming (C2, AAS) DISD #2687 & 2688		
			Total Credit Hours: 11

Semester	With 11 th Grade – College Courses	Semester	
Fall	ENGL 1301 – English Composition I (AAS) DISD #1420	Fall	MATH 1332 – Contemporary Mathematics (AAS) DISD #2723 & 2724
Fall	IMED 1416 – Web Design I (C2, AAS) DISD #5246	Fall	MUSI 1306 – Music Appreciation (AAS) DISD #8835 & 8837
Spring	PSYC 2301 – General Psychology (AAS) DISD #2430	Spring	INEW 2438 – Advanced Java Programming (C1, C2, AAS) DISD #5250
Spring	ENGL 1302 – Composition II DISD #1421		
			Total Credit Hours: 23

Semester	With 12 th Grade – College Courses	Semester	
Fall	ITSE 1430 – Introduction to C# Programming (C1, AAS) DISD #7976	Fall	ITSC 1405 – Introduction to PC Operating Systems (AAS) DISD #7805

Fall	ITSW 1407 – Intro. to Database (C2 elective, AAS) DISD #7566	Fall	ITSC 1191 – Special Topics in Computer and Information Science (AAS) DISD #5264
Spring	ITSY 1400 – Fundamentals of Information Security (AAS) DISD #5265 & 5266	Spring	ITNW 1425 – Fundamentals of Networking Technologies (C2, AAS) DISD #7903
Spring	ITSE 2438 – C# Database Development with ADO.NET (C1, C2, AAS) DISD #7977	Spring	ITSE 1450 – System Analysis and Design (AAS) DISD #6218
		Total Credit Hours: 29	

AA/AS = 60 CREDIT HOURS

TOTAL CREDIT HOURS:

67 HOURS

<p>Dual Credit Humanities/Fine Arts Appreciation options: See counselor/advisor for placement. Courses Include:</p> <p>ARTS 1301 – Art Appreciation DANC 2303 – Dance Appreciation I DRAM 1310 – Introduction to Theatre DRAM 2361 – History of Theater MUSI 1306 – Music Appreciation I</p>	<p>Dual Credit MATH options: See counselor/advisor for placement. Options Include:</p> <p>MATH 1314 – College Algebra MATH 1316 – Plane Trigonometry MATH 1324 – Math for Business & Social Science MATH 1325 – Calculus for Business & Social Science MATH 1332 – Contemporary Math I MATH 1342 – Elementary Statistical Methods MATH 1350, 1351 – Mathematics for Teachers I & II</p>
<p>Dual Credit Natural Science Elective: See counselor/advisor for placement. Courses include:</p> <p>BIOL 1406, 1407 – Biology for science majors I & II BIOL 1408, 1409 – Biology for non-science majors I&II BIOL 2401, 2402 – Anatomy and Physiology I & II BIOL 2406 – Environmental Biology BIOL 2420 – Micro-Biology for non-science majors BIOL 2421 – Micro-Biology for science majors CHEM 1405, 1407 – Introduction to Chemistry I & II CHEM 1411, 1412 – General Chemistry I & II GEOL 1401, 1402 – Earth Science I & II for non-science majors GEOL 1405 – Environmental Science PHYS 1401, 1402 – Algebra-based Physics I&II PHYS 1405, 1407 – Elementary Physics I&II PHYS 1415 – Physical Science I PHYS 2425, 2426 – University Physics I & II</p>	<p>Dual Credit Behavioral/Social Sciences Options: See counselor/advisor for placement. Courses include:</p> <p>HIST 1301 – US History I OR CRIJ 1307 – Crime in America ECON 2301 – Macroeconomics ECON 2302 – Microeconomics PHED 1304 – Personal/Community Health PSYC 2301 – General Psychology PSYC 2314 – Lifespan Growth and Development SOCI 1301 – Introduction to Sociology SOCI 2319 – Minority Studies OR GOVT 2306 – Texas Government</p>
<p>Speech Elective Options:</p> <p>SPCH 1311 – Introduction to Speech Communication SPCH 1321 – Business and Professional Communication</p>	

* See counselor/advisor for placement.

Courses in red are NOT part of the Associate degree.

Certificate and degree course information is based on the [2021-2022 Dallas College](#) catalog. Programs may be revised during the academic year. Please access the official catalog for the official and most current degree and certificate information.