



Level 1	Fundamentals of Computer Science-MS
Level 2	AP Computer Science Principles Computer Science I (Swift Coding)
Level 3	AP Computer Science A, MATH / AP Computer Science A, LOTE Computer Science II
Level 4	Computer Science III Ind. Study in Tech. Applications (Computer Science IS) Practicum in Audio/Video Prod. Career Preparation I-TLC

HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE
Oracle Certified Association JAVA SE 8 Programmer	Certified Computing Professional	Computer Programming/ Programmer Genera	Management Information Systems, General	Computer Software Engineer
Oracle Certified Database Associate	Cloud Technology Associate Certification	Computer Software Engineer	Computer Software Engineer	Computer Science
Microsoft Technology Associate, Introduction to Programming Using Python, HTML or CSS	AEM 6 Developer	Computer Science	Computer Science	Information Science/ Studies
Microsoft Technology Associate, Introduction to Programming Using Java or Java Script	Certified Software Analyst	Certified Software Analyst	Information Science/ Studies	

Occupations	Median Wage	Annual Openings	% Growth
Software Developer, Systems Software	\$103,334	2,985	25%
Software Developers, Applications	\$104,499	6,311	30%
Computer Programmers	\$79,893	1,454	9%

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES	
Exploration Activities:	Work Based Learning Activities:
Join TSA Participate in coding club at school	Obtain an industry-based certification.

Additional industry-based certification information is available on the TEA CTE website. For more information on postsecondary options for this program of study, visit TXCTE.org.

The Programming and Software Development program of study explores the occupations and education opportunities associated with researching, designing, developing, and testing operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computer applications. This program of study may also include exploration into creating, modifying, and testing the codes, forms, and script that allow computer applications to run.



The Science, Technology, Engineering, and Mathematics (STEM) Career Cluster focuses on planning, managing, and providing, scientific research and professional and technical services, including laboratory and testing services, and research and development services.

Successful completion of the Programming and Software Development program of study will fulfill requirements of the Business and Industry and STEM endorsement if the math and science requirements are met. Revised - July 2020



COURSE INFORMATION

FOR ADDITIONAL INFORMATION ON THE SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS CAREER CLUSTER,
PLEASE CONTACT:

Laura Torres | Laura.Torres@tea.texas.gov

<https://tea.texas.gov/cte>

Eanes ISD offers career and technical education programs in Arts, A/V Technology and Communications; Business, Management and Administration; Education and Training; Human Development, Management and Services; Health Science; Information Technology, Marketing and STEM. Admission to these programs is based on interest and aptitude, age appropriateness, and class space available.

It is the policy of the Eanes Independent School District not to discriminate on the basis of race, color, national origin, sex, or handicap in its vocational programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; the Age Discrimination Act of 1975, as amended; and Section 504 of the Rehabilitation Act of 1973, as amended. Eanes ISD will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and vocational programs. For information about your rights or grievance procedures, contact the following persons are designated to handle inquiries regarding non-discrimination policies:

- Title II, Section 504: Assistant Superintendent of CIA, Molly May, mmay@eanesisd.net (512) 732-9021.
- Title IX and Age Act of 1975: Assistant Superintendent for Human Resources, Laurie Lee, lee@eanesisd.net, (512) 732-9010. at EISD Central Administration, 601 Camp Craft Rd., Austin, TX, 78746.

Declaración de la Práctica de No Discriminar

La práctica de Eanes Independent School District es de no discriminar ya sea por raza, color, origen nacional, sexo, discapacidad, ni edad de la persona al emplear o para proporcionar educación, admisión, trato, o acceso a los beneficios de servicios educativos, actividades, y programas. Las siguientes personas han sido designadas para responder a preguntas tocantes las prácticas para evitar la discriminación:

La Ley del Título II y Sección 504 (Title II and Section 504): Director de Educación Especial, Molly May, mmay@eanesisd.net, (512) 732-9021

La Ley del Título IX y Discriminación Tocante la Edad de 1975 (Title IX and Age Discrimination Act of 1975): Asistente al Superintendente en Recursos Humanos, Laurie Lee, lee@eanesisd.net, (512) 732-9010

Ambos tienen sus oficinas en EISD Central Administration, 601 Camp Craft Rd., Austin, TX, 78746.