| Advanced ManufacturingStudents must plan to take these courses sequentialy and not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| School(s) Offering Program of Study | Program of Study | Program of Study Description Stude | ts must plan to take thes <br> Year 1 | ourses sequentially and not $s$ <br> Year 2 | round in the Progra <br> Year 3 | Study sequence <br> Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NSCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| cHs | Mechatronics | The Mechatronics program of study is designed for students interested in becoming a mechatronics technician, electrical technician, mechanical engineering technician, robotics technician, or mechatronics engineer. Course content focuses on the components of manufacturing systems, collection and analysis of quality data, electronics, mechanics, fluid power systems, computers and control systems, and technical documentation and troubleshooting. Upon completion of this program of study, proficient students will be prepared to pursue industry certification. | Principles of Manufacturing Industry Certification: OSHA 10 | Robotics \& Automated Systems Industry Certification: Fanuc | Mechatronics I | Mechatronics II Industry Certification: <br> Level 1 Siemens Certified Mechatronic Systems Assistant | Dual Enrollment Code | ENGT 1000 <br> ENGT 1020 <br> ENGT 1200 <br> ENGT 1120 |  |  |



| Architecture \& Contruction |  |  |  |  |  |  |  |  |  |  |
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| School(s) Offering <br> Program of Stud | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Errollment Code | APSU Dual Enrollment | UT Martin | Nscc Dual Creait |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students |  |  |
| $\begin{aligned} & \text { MCHS } \\ & \text { NeHs } \\ & \text { RHH } \\ & \text { WCHS } \end{aligned}$ | Structural Systems | The Structural Systems program of study prepares students with the knowledge and skills related to residential and commercial carpentry. Course content covers wood, metal, and concrete building materials, fasteners, hand and power tools, fabrication based on construction plans, framing of platform an post-and-beam structures, stairs, structural loads, installation and trim of windows and doors, installation and repair of gypsum wallboard, exterior finish work, cabinet installation, and thermal and moisture protection. The fourth level course, Construction Practicum, places students with industry partners to complete a capstone construction project. Upon completion of the program of study, students will be equipped for workforce entry, apprenticeships, or to continue training at the postsecondary level. | Fundamentals of Consturtion Industry Certification: OHAA 10 for Construction | Structura Systems 1 | $\begin{aligned} & \text { Structural Systems II } \\ & \text { (2 Creditits) } \\ & \text { Industry Certification: } \\ & \text { OSHA } 30 \end{aligned}$ |  | Dual Errollment code |  |  |  |
| кнs | Mechanical, Electrical, \& Plumbing (MEP) |  <br>  use and maintain appropriate tools, equipment, and resources to accomplish project goals. The MeP Systems course introduces students to the physical prinicipals involved with these systems students to the physical principals involved with these systems and t the tundamental skils needed to work with them. 1 in the third level, students have the option to focus in electrical, plumbing, or HVAC/R, and earn an industry credential specific to the focus area. The fourth level course, Construction Practicum, places students with industry partress to complete a capstone project. | Fundamentals of Construction Industry Certification: ossA 1 for Construction | MEP Systems |  |  | Dual Errollment Code | ENGT 1200 CCET 2540 CCET 2700* CCET 2750 CCET 2840 |  |  |


| Arts, A/V, Technology, \& Communication |  |  |  |  |  |  |  |  |  |  |
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| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NscC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| RHS Academy | Digital Arts \& Design | The Digital Arts \& Design program of study is for students interested in pursuing careers as multimedia artists, animators, graphic designers, and communications specialists. Course content is designed to develop strong knowledge in communications technologies, animation and software applications, digital graphics, motion graphics, and more for a broad range of business and industry applications. Students will leverage digital tools to gather, evaluate, and use information, and apply design skills in the communication of materials as they would for an organization or company. Upon completion of the program of study, students will be prepared to pursue advanced study in graphic design or communications, or seek entry level employment with such organizations. | Digital Arts \& Design I | Digital Arts \& Design II | Digital Arts \& Design III Industry Certification: Adobe Certified Associate |  | Dual Enrollment Code | ART 1035 ART 1070 ART 1330 ART 2090* ART 2170* ART 2320* ART $2410^{*}$ | ART 110 ARTH 211 | Digital Design I, II, III-COM1230-1 EPSO |
| $\begin{gathered} \text { KHS } \\ \text { WCHS } \end{gathered}$ | Audio/Visual Production | The A/V Production program of study is designed for students interested in a range of entertainment and news media fields. Course content centers on production of various television, cinema, radio, and other audio and video products, including commercials, music, news, interactive programming, and film. Students complete all phases of the production process including planning, coordinating, capturing, editing, and distributing productions. Topics include but are not limited to concept creation, scripting, interviewing, budgeting, scheduling, set design, engineering, field and studio production, and editing, and, as well operating production equipment such as cameras, lights, and audio equipment. | A/V Production I | A/V Production II | A/V Production III (2 Creditis) |  | Dual Enrollment Code |  |  |  |


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| Business, Management, \& AdministrationStudents must plan to take these courses sequenialily and not skip around in the Program of study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NsCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| CHS Academy NWHS RHS | Business Management | The Business Management program of studies will prepare you for a career in planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication. The business management and administration services industry, one of the highest paying industries, is projected to be one of the fastest growing through the year 2020. | Introduction to Business \& Marketing | Business <br> Communications <br> or <br> Accounting I | Business Management Industry Certification: G Suite Certification | Business Entrepreneurship Practicum or Virtual Enterprise International | Dual Enrollment Code | $\begin{aligned} & \text { ECON } 2100 \\ & \text { MGT } 1110 \end{aligned}$ |  | Business Management -BUSN1305-1 EPSO |
| $\begin{gathered} \text { CHS } \\ \text { MCHS } \\ \text { NEHS } \end{gathered}$ | Office Management | Office Management program of study teaches business operations as students learn a variety of administrative and clerical duties including information and communication management, data processing and collection, and project tracking. Students who like to access, process, maintain, evaluate, and disseminate information for business decisions or those who like to obtain and convey ideas and information in order to conduct business transactions would enjoy this program of studies. Students in this program of studies will learn about the management theories of some of the largest companies in the United States. In addition, they will learn important skills for success in professionalism, digital citizenship, and critical thinking. | Computer Applications | Business Communications | Business Management Industry Certification: G Suite Certification | Advanced Computer Applications Industry Certification: Microsoft Office Specialist: (Excel) (PowerPoint) (Word) | Dual Enrollment Code |  | INFS 205 INSF 255 |  |


| Education \& Training |  |  |  |  |  |  |  |  |  |  |
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| Students must plan to take these courses sequentially and not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NsCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| MCHS | Early Childhood Education Careers | Early Childhood Education Careers is designed to prepare students for careers as an early childhood teacher. Course content covers the components of curriculum planning, student learning, screening and assessing, and many other skills related to teaching younger populations. Upon completion of this program of study, students will have had the opportunity to work alongside educators in an internship experience, compile artifacts for a professional portfolio, and graduate prepared for further training at the postsecondary level. | Early Childhood Careers | Early Childhood Careers | Early Childhood Careers III |  | Dual Enrollment Code |  |  |  |
| $\begin{gathered} \text { CHS } \\ \text { WCHS Academy } \end{gathered}$ | Teaching as a Profession (K-12) | Teaching as a Profession is designed for students interested in becoming a teacher, school counselor, librarian, or speechlanguage pathologist. While in this program of study, students will learn teaching and classroom management strategies, lesson planning, special populations, how to use educational technology, how to become a professional, and more! Upon completion of this program of study, students will have participated in an internship and built a professional portfolio that can be used for advanced training as future educators at the postsecondary level. | Teaching as a Profession I | Teaching as a Profession II | Teaching as a Profession Practicum |  | Dual Enrollment Code | PSY 1010 PSY 2210 PSY 3100 |  | TAP 1,11, III $=$ EDUC2010 1 EPSO |


| Finance |  |  |  |  |  |  |  |  |  |  |
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| Sinance ${ }_{\text {Students }}$ must plan to take these courses sequentialy and not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NSCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| CHS Academy | Banking \& Finance | The Banking and Finance program of studies will prepare you for a career in financial and investment planning, banking, insurance, and business financial management. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service and communication. This program of studies is comprised of content in deposits, lending funds, extending credit, and banking services which includes cask management, short-term investments, loans, credit cards, and bill payments. These services are delivered via a number of different institutions, from commercial banks and other traditional means (savings and loan associations, credit unions, and local banks) to newer ventures through insurance companies, brokerage houses, and the internet. | Introduction to Business \& Marketing | Accounting 1 | Banking and Finance | Financial Planning | Dual Enrollment Code |  | FIN 160 | Banking \& Finance -FIN2110-1 EPSO |


| Health Science |  |  |  |  |  |  |  |  |  |  |
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| Students must plan to take these courses sequentially anden not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | nscC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| MCHS NWHS Academy | Nursing Services | Therapeutic Nursing Services is designed to prepare students to pursue careers in the field of nursing. Upon completion of this program, a proficient student will be able to implement communication and interpersonal skills, maintain residents' rights and independence, provide care safely, prevent emergency situations, prevent infection through infection control, and perform the skills required of a nursing assistant. Students will $\log$ forty hours of site-based clinical work with at least 24 of those hours spent in a long-term care facility as part of the Level 4 course. | Health Science Education Industry Certification OSHA 10 for Health Science | $\begin{gathered} \text { Anatomy and } \\ \text { Physiology } \\ \text { or } \\ \text { Medical Therapeutics } \end{gathered}$ | Medical Therapeutics or Anatomy and Physiology | Nursing Education and Clinical Internship (Max Class Size 15) Industry Certification: Certified Nursing Assistant (CNA) | Dual Enrollment Code | AHS 1010 HHP 1250 | NURS 281 |  |
| NWHS Academy | Emergency Services | The Emergency Services program of study is designed to prepare students to pursue careers in the fields of emergency medicine. Upon completion, proficient students will be able to identify careers and features of the EMS system; define the importance of workforce safety and wellness; maintain legal and ethical guidelines; correlate anatomy and physiology concepts to the patient with a medical or traumatic injury; and perform EMS skills with a high level of proficiency. If taught with an EMT instructor, students will be given the opportunity to sit for the National Emergency Medical Responder certification. | Health Science Education Industry Certification OSHA 10 for Health Science | $\begin{gathered} \text { Anatomy and } \\ \text { Physiology } \\ \text { or } \\ \text { Medical Therapeutics } \end{gathered}$ | Medical Therapeutics or Anatomy and Physiology | Emergency Medical Services And Emergency Medical Services Practicum (Max class size 12) Industry Certification: Emergency Medical Responder (First Responder) | Dual Enrollment Code | AHS 1010 HHP 1250 |  |  |
| $\begin{aligned} & \text { NEHS } \\ & \text { NWHS Academy } \\ & \text { WCHS } \end{aligned}$ | Therapeutic Services | Therapeutic Clinical Services is designed to prepare students to pursue careers in fields of dentistry, pharmacology, nutrition, or rehabilitation. Upon completion of this program, a proficient student will be able to identify careers in therapeutic clinical services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments. Students have the option to take part in a clinical internship at the end of this program of study. | Health Science Education Industry Certification OSHA 10 for Health Science | $\begin{gathered} \text { Anatomy and } \\ \text { Physiology } \\ \text { or } \\ \text { Medical Therapeutics } \end{gathered}$ | Medical Therapeutics or Anatomy and Physiology | Clinical Internship (Max Class Size 15) Industry Certification: Certified Clinical Medical Assistant | Dual Enrollment Code | $\begin{aligned} & \text { AHS } 1010 \\ & \text { HHP } 1250 \end{aligned}$ |  |  |
| KHS | Diagnostic Services | Diagnostic Services is designed to prepare students to pursue careers in the fields of radiology, medical laboratory, optometry, and other patient diagnostic procedures. Upon completion of this course, proficient students will be able to describe new and evolving diagnostic technologies, compare and contrast the features of healthcare systems, explain the legal and ethical ramifications of the healthcare setting, and begin to perform foundational healthcare skills. In addition, students will have the option to complete a clinical internship. | Health Science Education Industry Certification: OSHA 10 for Health Science | Diagnositc Medicine or Anatomy and Physiology | $\begin{array}{\|c\|} \hline \text { Anatomy and } \\ \text { Physiology } \\ \text { or } \\ \text { Doagnostic Medicine } \end{array}$ | Cariovascular Services And <br> Clinical Internship (Max class size is 15) Industry Certification: Certified EKG Technician | Dual Enrollment Code | $\begin{aligned} & \text { AHS } 1010 \\ & \text { HHP } 1250 \end{aligned}$ |  |  |
| RHS | Sport \& Human Performance | Clinical Exercise Physiology is designed to prepare students to pursue careers in kinesiology and exercise physiology services. Upon completion, proficient students will be able to apply concepts of anatomy and physiology, physics, chemistry, bioenergetics, and kinesiology to specific exercise science contexts. Through these connections students will understand the importance that exercise, nutrition, and rehabilitation play in athletes or patients with debilitating or acute metabolic, orthopedic, neurological, psychological, and cardiovascular disorders. | Health Science Education Industry Certification OSHA 10 for Health Science | $\begin{gathered} \begin{array}{c} \text { Anatomy and } \\ \text { Physiology } \\ \text { or } \end{array} \\ \text { Rehabilitation Careers } \end{gathered}$ | Rehabilitation Careers Anatomy and Physiology | Exercise Science | Dual Enrollment Code | AHS 1010 HHP 1250 HHP 2200 |  |  |


| Hospitality \& Tourism |  |  |  |  |  |  |  |  |  |  |
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| Students must plan to take these courses sequentially and not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NsCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| RHS | Culinary Arts | Culinary Arts equips students with the skills to pursue careers in the culinary field as a personal chef, caterer, executive chef, and food and beverage manager. Courses cover topics that range from kitchen safety and sanitation, history of the foodservices industry, careers, nutrition, recipe basics, proper kitchen tools and equipment, and kitchen staples to food presentation, advanced cooking principles, bakeshop preparation skills, professionalism, and business opportunities. Upon completion of this program of study, students will have applied a full range of knowledge and skills in culinary arts and built a professional portfolio in preparation for future training at the postsecondary level. | Culinary Arts I | Culinary Arts II | Culinary Arts III Industry Certificaton: SerSafe Food Manager |  | Dual Enrollment Code | CULA 1200 CULA 1305 CULA 1320* |  | $\begin{gathered} \text { CA I, II, III }=\text { CULALAB20 - } \\ 1 \text { EPSO } \end{gathered}$ |


| Human Services |  |  |  |  |  |  |  |  |  |  |
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| Students must plan to take these courses sequentialy and not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NSCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students $\begin{gathered}\text { responsibility. }\end{gathered}$ |  |  |
| $\underset{\text { MCHS }}{\substack{\text { MHS }}}$ | Human \& Social Sciences | Social Health Services focuses on the skills and knowledge needed for occupations that support the everyday functioning of society, such as social workers, counselors, and family mediators. While in this program of study, students investigate human needs and their impact on lifespan development, an overview of the human social services fields, communication skills, and the historical and social changes of the modern family. Upon completion of this program of study, students will compile a professional portfolio in preparation for future training at the postsecondary level. | Introduction to Human Studies | Lifespan Development | Family Studies Industry Certification: TN Specific Industry Certification - Social Health Services |  | Dual Enrollment Code | SOC 1010 SOC 2050 SOC 2900 SOC 2110 | CFS 100 PSY 101 SOC 201 SOC 202 |  |
| $\begin{gathered} \text { CHS } \\ \text { KHS } \\ \text { NEHS } \end{gathered}$ | Cosmetology | All courses in the Cosmetology program of study have been revised to address and prepare students for postsecondary and industry standards. Cosmetology is designed to prepare students for careers in cosmetology by developing an understanding of efficient and safe work practices, salon business concepts and operations, hair techniques and chemical services, facial and skin care procedures and state board theoretical practical application. Laboratory facilities and experiences simulate those found in the cosmetology industry. Students may acquire hours to transfer to a postsecondary institution to complete the requirements needed to be eligible to take the Tennessee State Board of Cosmetology examination for a Tennessee Cosmetology License. | Cosmetology 1 | Cosmetology II (2 Credits) | Cosmetology III (2 Credits) | Cosmetology IV (2 Credits) | Dual Enrollment Code |  |  |  |

Information Technology

| Information Technology |  |  |  |  |  |  |  |  |  |  |
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| Students must plan to take these courses sequentially and not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NSCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| RHS | Web Design | The Web Design program of study is designed for students interested in designing and creating websites. Students will develop fundamental skills in both theory and practical application of the basic web design and development process, project management and teamwork, troubleshooting and problem solving, and interpersonal skill development. Laboratory facilities and experiences simulate those found in the web design and development industry; where interaction with a "client" is indicated in the standards, it is expected that students' peers or the instructor may serve as mock clients in lieu of an actual relationship with an industry partner. Emphasis is also placed on applying the design process toward projects of increasing sophistication, culminating in the production of a functional, static website. As students work toward this goal, they will acquire key skills in coding, project management, basic troubleshooting and validation, and content development and analysis. | Computer Science Foundations Industry Certification: ComptiA IT Fundamentals | Web Design Foundations | Web Site Development Industry Certification: CIW Web Design <br> Specialist Or CIW Web Foundation or JavaScript Specialsit or Advasnced HTML5/CSS3 | Web Design Practicum | Dual Enrollment Code | CSCI 1000 CSCI 1005 CSCI 1010 CSCI 1015 CSCI 1017 |  |  |
| NEHS Academy | Coding | The Coding program is study is designed for students interested in computer programming. Students will develop standard programming techniques and learn the logic tools and methods typically used by programmers to create simple computer applications. Proficient students will be able to solve problems by planning multistep procedures; write, analyze, review, and revise programs, converting detailed information from workflow charts and diagrams into coded instructions in a computer language; and will be able to troubleshoot/debug programs and software applications to correct malfunctions and ensure their proper execution. This program of study also challenges students to develop advanced skills in problem analysis, construction of algorithms, and computer implementation of algorithms as they work on programming projects of increased complexity. In so doing, they develop key skills of discernment and judgment as they must choose from among many languages, development environments, and strategies for the program life cycle. Course content is reinforced through numerous short- and long-term programming projects, accomplished both individually and in small groups. | Computer Science Foundations Industry Certification: ComptiA IT Fundamentals | Coding 1 | Coding II Or Mobile App Development Codin IIndustry Certification: Mirrosoft Technology Associate Developer Certificate or CIW Web Foundation or JavaScript Specialsit or Advanced HTML5/CSS3 | Coding Practicum and/or AP Computer Science A and/or AP Computer Science Principles | Dual Enrollment Code | $\begin{aligned} & \text { CSCI } 1000 \\ & \text { CSCI } 1005 \\ & \text { CSCI } 1010 \\ & \text { CSCI } 1015 \\ & \text { CSCI } 1017 \end{aligned}$ |  |  |
| wCHS | Cybersecurity | The Cybersecurity program of study offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and cybersecurity-related careers in the Information Technology career cluster. Students will develop knowledge in security integration, application of cybersecurity practices and devices, ethics, and best practices management. The fundamental skills in this program covers both in house and external threats to network security and design, how to enforce network level security policies, and how to safeguard an organization's information. This program of study also challenges students to develop advanced skills in concepts and terminology of cybersecurity, knowledge of malware threats, cryptography, wireless technologies and organizational security. | Computer Science Foundations Industry Certification: CompTIA IT Fundamentals | Cybersecurity 1 | Cybersecurity II Industry Certification: CompTIA Security + | Cybersecurity Practicum Industry Certification CompTIA Security + | Dual Enrollment Code | $\begin{aligned} & \text { CSCI } 1000 \\ & \text { CSCI } 1005 \\ & \text { CSCI } 1010 \\ & \text { CSCI } 1015 \\ & \text { CSCI } 1017 \end{aligned}$ |  |  |


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| Law, Public Safety, Corrections, \& SecurityStudents must plan to take these courses sequentialy and not skip around in the Program of study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NSCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| $\begin{gathered} \text { KHS } \\ \text { NEHS } \\ \text { NWHS } \\ \text { wCHS Academy } \end{gathered}$ | Law Enforcement Services | Law Enforcement Services prepares students for a range of careers in law enforcement, crime scene analysis, forensic science, public safety, and criminal justice. Course content emphasizes procedures and laws governing the application of justice in the United States, from constitutional rights to crisis scenario management to the elements of criminal investigations. Upon completion of this POS, students will be equipped with strong knowledge and skill preparation for postsecondary or career opportunities in many law- and justice-related fields. | Criminal Justice I | Criminal Justice II | Criminal Justice III: Investigation |  | Dual Enrollment Code | CRJ 1010 CRJ 1030 CRJ 1050 CRJ 1060 | $\begin{aligned} & \text { CL } 200 \\ & \text { CI } 220 \end{aligned}$ |  |


| Marketing, Distribution, and Logistics |  |  |  |  |  |  |  |  |  |  |
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| Marketing, Distribution, and Logistics |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NSCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students $\begin{gathered}\text { responsibility. }\end{gathered}$ |  |  |
| KHS | Marketing Management | The Marketing Management program of studies will prepare you for a career through developing a range of skills and abilities in a corporation. The primary duty of marketing managers in a corporation is to increase sales and profitability through market analytics and this program of study prepares students to do this through standards in market segmentation, market research, and an in-depth look at all the facets of marketing. Students have the option of three areas of specialization - advertising and public relations, retail operations, or event planning and management for their capstone course, all of which lead to great career options in Tennessee or nationwide. | Introduction to Business \& Marketing | Marketing and Management I: Principles | Marketing and Management II: Advanced Strategies Industry Certification: Hootsuite Plstform Marketing or Hootsuite Social Marketing | Event Planning \& Management | Dual Enrollment Code | MGT 1110 |  | Marketing \& Management Prin. I-BUSN2380-1 EPSO |


| STEM |  |  |  |  |  |  |  |  |  |  |
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| Mese courses sequentially and not skip around in the Program of Study sequence |  |  |  |  |  |  |  |  |  |  |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | nscC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students |  |  |
| NEHS Academy | Technology | The Technology program of study is for students who wish to pursue careers in robotics, electronics, and related engineering and technology fields. Course content introduces students to the principles of engineering and the engineering design process, then progresses to apply these skills in the context of robotics, electronics, and automated systems. Upon completion of this POS, students will have gained valuable training in an Engineering Practicum and be prepared for advanced study in a variety of STEM fields at the postsecondary level. Upon completion of these POS, students will be prepared to pursue engineering studies or an advanced study in the STEM field of their choice at a variety of postsecondary institutions. | Principles of Engineering and Technology | Digital Electronics Industry Certification: Autodesk Inventor Certified User | Robotics \& Automated Systems Industry Certification FANUC |  | Dual Enrollment Code | $\begin{gathered} \text { ENGT } 1000 \\ \text { ENGT } 1020 \\ \text { ENGT } 1200 \\ \text { ENGT } 1120 \\ \text { PHYS 1010/1011 } \\ \text { PHYS 1020/1021 } \end{gathered}$ |  | Digital Electronics -EETH1110-1 EPSO |
| KHS Academy | STEM Education | The STEM Education program of study designed for students interested in the exciting careers available in the high-demand fields of science, technology, engineering, and mathematics. This program of study is uniquely structured to offer students an overview of STEM fields, occupations, and applications in the first year, followed by more specialized study of the scientific inquiry or engineering design process in subsequent years, culminating in a portfolio and internship experience. | STEM 1: Foundation | STEM II: Applications Industry Certification: Autodesk Inventor Certified User | STEM III: STEM in Context | STEM IV: STEM | Dual Enrollment Code | $\begin{gathered} \text { ENGT } 1000 \\ \text { ENGT } 1020 \\ \text { ENGT } 1200 \\ \text { ENGT 1120 } \\ \text { PHYS 1010/1011 } \\ \text { PHYS 1020/1021 } \end{gathered}$ |  |  |
| KHS Academy | Mechatronics | The Mechatronics program of study is designed for students interested in becoming a mechatronics technician, electrical technician, mechanical engineering technician, robotics technician, or mechatronics engineer. Course content focuses on the components of manufacturing systems, collection and analysis of quality data, electronics, mechanics, fluid power systems, computers and control systems, and technical documentation and troubleshooting. Upon completion of this program of study, proficient students will be prepared to pursue industry certification. | STEM 1: Foundation | STEM II: Applications | Dual Enrollment Mechatronics | Dual Enrolliment Mechatronics Industry Certification: Level 1 Siemens Certified Mechatronic Systems Assistant | Dual Enrollment Code | PHYS 1010/1011 PHYS 1020/1021 |  |  |


| Transportation |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| School(s) Offering Program of Study | Program of Study | Program of Study Description | Year 1 | Year 2 | Year 3 | Year 4 | Dual Enrollment Code | APSU Dual Enrollment | UT Martin | NsCC Dual Credit |
|  |  |  |  |  |  |  |  | The cost of Textbooks, Technology Fees, and/or Lab Fees are the students responsibility. |  |  |
| NWHS | $\begin{aligned} & \text { Automotive } \\ & \text { Maintenance \& Light } \\ & \text { Repair } \end{aligned}$ | The Automotive Maintenance and Light Repair program of study prepares students for entry into the automotive service industry with an ASE Student Certification. Students study and service automotive HVAC systems, engine performance systems, automatic and manual transmission/transaxle systems, and practice workplace soft skills. Upon completion of this program of study, students will be equipped with the knowledge and skills to be a successful automotive service technician | Maintenance and Light Repair I | Maintenance and Light Repair II | Maintenance and Light Repair III | Maintenance and Light Repair IV Industry Certification: Automotive Service Excellence Student Certification: Maintenance \& Light Repair | Dual Enrollment Code |  |  |  |
| NWHs | Automotive Collision Repair | The Automotive Collision Repair program of study prepares students for entry into careers as professional service technicians. Content emphasizes customer service skills, proper use of tools and equipment, safety, shop operations, engine fundamentals, damage analysis, cost estimation, painting and refinishing, and structural and non-structural repair in a hands-on environment. Upon completion of this program of study, students will be eligible to take the examination for Automotive Student Excellence (ASE) student certifications or I-CAR ProLevel 1 in Refinish Technician or Non-Structural Technician and be prepared to pursue further study in collision repair at postsecondary institutions. | Introduction to Collision Repair | Collision Repair: NonStructural Industry Certification: Automostive Service Excellence: Nonstructural Anaylsis/Repair | Collision Repair: Painting \& Refinishing Industry Certification: Automostive Service Excellence: Painting and Refinishing | Collision Repair: Damage Analysis, Estimating, \& Customer Service | Dual Enrollment Code |  |  |  |
|  |  | *- Indicates courses that require a prerequisite |  |  |  |  |  |  |  |  |

