

## Contract Dual Enrollment Course Offerings

### Prerequisite | Co-requisite

	NOVA DE Course	Course Full Name	Course Description	Credits	Placement Requirement	Prerequisite	Co-requisite
1	<a href="#">ARC 123</a>	Architectural Graphics I	Introduces techniques of architectural communication including orthographic projection and sketching as well as 3D views and modeling. Requires the manual production of plans, sections, elevations and 3D views and models of a simple building. Includes dimensioning and detailing.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
2	<a href="#">ARC 124</a>	Architectural Graphics II	A continuation of Architectural Graphics I. Introduces techniques of architectural communication including orthographic projection and sketching as well as 3D views and modeling. Requires the production of plans, sections, elevations and 3D views and models of a simple building using computer technology. Includes dimensioning and detailing.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ARC 121 or ARC 123, DRF 201 & ARC 133	n/a
3	<a href="#">ART 131</a>	Fundamentals of Design I	Explores the concepts of two- and three-dimensional design and color. May include field trips as required.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
4	<a href="#">ASL 201</a>	American Sign Language III	Develops vocabulary, conversational competence, and grammatical knowledge with a total immersion approach. Introduces increasingly complex grammatical aspects including those unique to ASL. Discusses culture and literature. Contact with Deaf community is encouraged to enhance linguistic and cultural knowledge.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ASL 102 or permission of instructor	n/a
5	<a href="#">ASL 202</a>	American Sign Language IV	Develops vocabulary, conversational competence, and grammatical knowledge with a total immersion approach. Introduces increasingly complex grammatical aspects including those unique to ASL. Discusses culture and literature. Contact with Deaf community is encouraged to enhance linguistic and cultural knowledge.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ASL 201 or permission of instructor	n/a
6	<a href="#">AUB 106</a>	Basic Sheet Metal Operations	Teaches the use of metal straightening tools, basic straightening operations, shrinking, filling, and sheet metal damage and repair procedures.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
7	<a href="#">AUB 118</a>	Automotive Paint Preparation	Teaches auto body preparation for painting, using the materials, processes, and equipment required to prepare metal and old finishes. Includes sanding, cleaning, solvents, special materials, fillers, and primers.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
8	<a href="#">AUT 100</a>	Introduction to Automotive Shop Practices	Introduces shop practices for automotive laboratory and shop safety, identification and use of hand tools, general power equipment, and maintenance of automotive shop. Explains basic operation procedures of standard shop equipment. Presents Occupational Safety and Health Act standards pertaining to the automotive field.	2	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
9	<a href="#">AUT 241</a>	Automotive Electricity I	Introduces electricity and magnetism, symbols, and circuitry as applied to the alternators, regulators, starters, lighting systems, instruments, gauges, and accessories.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
10	<a href="#">AUT 242</a>	Automotive Electricity II	Introduces electricity and magnetism, symbols, and circuitry as applied to the alternators, regulators, starters, lighting systems, instruments, gauges, and accessories.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	AUT 241	n/a
11	<a href="#">AUT 265</a>	Automotive Braking Systems	Presents operation, design, construction, repair, and servicing of braking systems, including AntiLock Brake Systems (ABS). Explains uses of tools and test equipment, evaluation of test results, and estimation of repair cost for power, standard, and disc brakes.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
12	<a href="#">AUT 266</a>	Auto Alignment, Suspension, & Steering	Introduces use of alignment equipment in diagnosing, adjusting, and repairing front and rear suspensions. Deals with repair and servicing of power and standard steering systems.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a

13	<a href="#">BIO 101</a>	General Biology I	Focuses on foundations in cellular structure, metabolism, and genetics in an evolutionary context. Explores the core concepts of evolution; structure and function; information flow, storage and exchange; pathways and transformations of energy and matter; and systems biology. Emphasizes process of science, interdisciplinary approach, and relevance of biology to society.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 -- <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 3	Placement into ENG 111 & MTE 1-3	n/a
14	<a href="#">BIO 102</a>	General Biology II	Focuses on diversity of life, anatomy and physiology of organisms, and ecosystem organization and processes in an evolutionary context. Explores the core concepts of evolution; structure and function; information flow, storage and exchange; pathways and transformations of energy and matter; and systems biology. Emphasizes process of science, interdisciplinary approach, and relevance of biology to society.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 -- <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 3	BIO 101	n/a
15	<a href="#">BIO 141</a>	Human Anatomy & Physiology I	Integrates anatomy and physiology of cells, tissues, organs, and systems of the human body. Integrates concepts of chemistry, physics, and pathology.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 3	Placement into ENG 111	n/a
16	<a href="#">BIO 142</a>	Human Anatomy & Physiology II	Integrates anatomy and physiology of cells, tissues, organs, and systems of the human body. Integrates concepts of chemistry, physics, and pathology.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 3	BIO 141	n/a
17	<a href="#">BIO 205</a>	General Microbiology	Examines morphology, genetics, physiology, ecology, and control of microorganisms. Emphasizes application of microbiological techniques to selected fields.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 3	CHM 111, CHM 112, and two of the following: BIO 101, BIO 102, BIO 110, BIO 120, BIO 141, BIO 142	n/a
18	<a href="#">BIO 256</a>	General Genetics	Explores the principles of genetics ranging from classical Mendelian inheritance to the most recent advances in the biochemical nature and function of the gene. Includes experimental design and statistical analysis.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 3	Any two of the following: BIO 101, BIO 102, BIO 110, BIO 120, BIO 141, BIO 142, or division approval	n/a
19	<a href="#">BUS 116</a>	Entrepreneurship	Presents the various steps considered necessary when going into business. Includes such as product-service analysis, market research evaluation, setting up books, ways to finance startup, operations of the business, development of business plans, buyouts vs. Starting from scratch, and franchising. Uses problems and cases to demonstrate implementation of these techniques.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
20	<a href="#">BUS 165</a>	Small Business Management	Identifies management concerns unique to small business. Introduces the requirements necessary to initiate a small business, and identifies the elements comprising a business plan. Presents information establishing financial and administrative controls, developing a marketing strategy, managing business operations, and the legal and government relationships specific to small businesses.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
21	<a href="#">CAD 201</a>	Computer Aided Drafting & Design I	Teaches computer aided drafting concepts and equipment designed to develop a general understanding of components of a typical CAD system and its operation.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	ARC 121, CAD 15, EGR 115 or division approval
22	<a href="#">CHD 120</a>	Introduction to Early Childhood Education	Introduces early childhood development through activities and experiences in early childhood, pre-kindergarten, kindergarten, and primary programs. Investigates classroom organization and procedures, and use of classroom time and materials, approaches to education for young children, professionalism, and curricular procedures.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
23	<a href="#">CHD 145</a>	Teaching Art, Music, & Movement To Children	Focuses on children's exploration, play, and creative expression in the areas of art, music, and movement. Emphasis will be on developing strategies for using various open-ended media representing a range of approaches in creative thinking. Addresses strategies for intervention and support for exceptional children and English Language Learners.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
24	<a href="#">CHD 165</a>	Observation & Participation in Early Childhood	Focuses on observation as the primary method for gathering information about children in early childhood settings. Emphasizes development of skills in the implementation of a range of observation techniques.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
25	<a href="#">CHI 101</a>	Beginning Chinese I	Introduces understanding, speaking, reading, and writing skills and emphasizes basic Chinese sentence structure.	5	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a

26	<a href="#">CHI 102</a>	Beginning Chinese II	Introduces understanding, speaking, reading, and writing skills and emphasizes basic Chinese sentence structure.	5	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	CHI 101	n/a
27	<a href="#">CHI 201</a>	Intermediate Chinese I	Offers intensive practice in comprehending and speaking Chinese, with emphasis on developing structure and fluency.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	CHI 102 or equivalent	n/a
28	<a href="#">CHI 202</a>	Intermediate Chinese II	Offers intensive practice in comprehending and speaking Chinese, with emphasis on developing structure and fluency.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	CHI 201	n/a
29	<a href="#">CHM 111</a>	General Chemistry I	High school chemistry also strongly recommended. Requires a strong background in mathematics. Designed primarily for science and engineering majors. Explores the fundamental laws, theories, and mathematical concepts of chemistry.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 9	Placement into ENG 111 & MTH 161. High school chemistry also strongly recommended	n/a
30	<a href="#">CHM 112</a>	General Chemistry II	Requires a strong background in mathematics. Designed primarily for science and engineering majors. Explores the fundamental laws, theories, and mathematical concepts of chemistry	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 9	CHM 111	n/a
31	<a href="#">CSC 200</a>	Introduction to Computer Science	Provides broad introduction to computer science. Discusses architecture and function of computer hardware, including networks and operating systems, data and instruction representation and data organization. Covers software, algorithms, programming languages and software engineering. Discusses artificial intelligence and theory of computation. Includes a hands-on instructional component.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 9	Placement into ENG 111 and MTH 161 OR MTH 167	n/a
32	<a href="#">CSC 201</a>	Computer Science I	Introduces algorithm and problem-solving methods. Emphasizes structured and object-oriented programming concepts, data types, I/O, control structures, functions, data abstraction, objects, elementary data structures, and the study and use of a high-level programming language.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111-- <b>MATH:</b> AP Calc. BC 3; VPT MTH units 1 through 9 with placement into MTH 263 (PreCalc. w/ trig.)	CSC 200 or CSC 130 or EGR 126 or grade of C in MTH 173 or MTH 263	MTH 263 or division approval
33	<a href="#">CSC 202</a>	Computer Science II	Examines fundamental data structures and analyzes algorithms. Covers abstract data types and essential data structures such as arrays, stacks, queues, linked lists, and trees; introduces searching and sorting algorithms and algorithm analysis.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111-- <b>MATH:</b> AP Calc. BC 3; VPT MTH units 1 through 9 with placement into MTH 263 (PreCalc. w/ trig.)	CSC 201 & MTH 263	MTH 264
34	<a href="#">CST 100</a>	Principles of Public Speaking	Applies theory and principles of public address with emphasis on preparation and delivery.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
35	<a href="#">CST 110</a>	Introduction to Communication	Examines the elements affecting speech communication at the individual, small group, and public communication levels with emphasis on practice of communication at each level.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
36	<a href="#">CST 130</a>	Introduction to Theatre	Surveys the principles of drama, the development of theatre production, and selected plays to acquaint the student with various types of theatrical presentations.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
37	<a href="#">CST 136</a>	Theatre Workshop	Enables students to work in various activities of play production. The student participates in performance, set design, stage carpentry, sound, costuming, lighting, stage managing, props, promotion, or stage crew. May be repeated for credit. Variable hours per week.	6	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
38	<a href="#">EDU 200</a>	Introduction to Teaching as a Profession	Provides an orientation to the teaching profession in Virginia, including historical perspectives, current issues, and future trends in education on the national and state levels. Emphasizes information about teacher licensure examinations, steps to certifications, teacher preparation and induction programs, and attention to critical shortage areas in Virginia. Includes supervised field placement (recommended: 40 clock hours) in a K-12 school.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	24-hour of college course work. Depending upon student program enrollment, student may need to achieve	n/a

39	<a href="#">EGR 115</a>	Engineering Graphics	Applies principles of orthographic projection and multi-view drawings. Teaches descriptive geometry including relationships of points, lines, planes, and solids. Introduces sectioning, dimensioning, and computer graphic techniques.	2	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
40	<a href="#">EGR 121</a>	Foundations of Engineering	Discusses the engineering profession, including engineering ethics and responsibilities, communications and career paths and different engineering disciplines. Covers mathematics and science fundamentals used in engineering. Describes computational engineering tools and converts the computer programming used in solving engineering problems. Lecture 2 hours.	2	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
41	<a href="#">EMS 111</a>	Emergency Medical Technician: Basic	Prepares student for certification as a Virginia and national registry EMT. Includes all aspects of pre-hospital basic life support as defined by the Virginia Office of Emergency Medical Services curriculum for Emergency Medical Technician basic.	7	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	EMS 100 or CPR certification	EMS 120
42	<a href="#">EMS 120</a>	Emergency Medical Technician: Basic Clinical	Observes in a program approved clinical/ field setting. Includes topics for both EMS 111 and EMS 112, dependent upon the program in which the student is participating and is a corequisite to both EMS 111 and EMS 112.	1	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	EMS 111
43	<a href="#">ENG 111</a>	College Composition I	Introduces students to critical thinking and the fundamentals of academic writing. Through the writing process, students refine topics; develop and support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. Writing activities will include exposition and argumentation with at least one researched essay.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Students must achieve satisfactory scores on placement tests, SATs, or ACTs as established by the VCCS and adopted by the College,	n/a
44	<a href="#">ENG 112</a>	College Composition II	Continues to develop college writing with increased emphasis on critical essays, argumentation, and research, developing these competencies through examination of a range of texts about human experience. Requires students to locate, evaluate, integrate, and document sources and effectively edit for style and usage.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ENG 111	n/a
45	<a href="#">ENG 241</a>	Survey of American Literature I	Examines American literary works from colonial times to the present, emphasizing the ideas and characteristics of our national literature. Involves critical reading and writing.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ENG 112, or ENG 125	n/a
46	<a href="#">ENG 242</a>	Survey of American Literature II	Examines American literary works from colonial times to the present, emphasizing the ideas and characteristics of our national literature. Involves critical reading and writing.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ENG 112, or ENG 125	n/a
47	<a href="#">ENG 243</a>	Survey of English Literature I	Studies major English works from the Anglo-Saxon period to the present, emphasizing ideas and characteristics of the British literary tradition. Involves critical reading and writing.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ENG 112, or ENG 125	n/a
48	<a href="#">ENG 251</a>	Survey of World Literature I	Examines major works of world literature. Involves critical reading and writing.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ENG 112 or ENG 125	n/a
49	<a href="#">ENG 252</a>	Survey of World Literature II	Examines major works of world literature. Involves critical reading and writing.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ENG 112 or ENG 125	n/a
50	<a href="#">ENV 121</a>	General Environmental Science I	Explores fundamental components and interactions that make up the natural systems of the earth. Introduces the basic science concepts in the disciplines of biological, chemical, and earth sciences that are necessary to understand and address environmental issues. Lectures 3 hours. Laboratory 3 hours. Total 6 hours per week.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Placement into ENG 111	n/a
51	<a href="#">ENV 122</a>	General Environmental Science II	Explores fundamental interactions between human populations and natural systems of the earth. Introduces the basic science behind the causes, effects, and mitigation of major environmental issues. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Placement into ENG 111; ENV 121 is recommended	n/a

52	<a href="#">FRE 201</a>	Intermediate French I	Continues to develop understanding, speaking, reading, and writing skills. French is used in the classroom.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	FRE 102 or equivalent	n/a
53	<a href="#">FRE 202</a>	Intermediate French II	Continues to develop understanding, speaking, reading, and writing skills. French is used in the classroom.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Prerequisite for FRE 202 is FRE 201.	n/a
54	<a href="#">GER 101</a>	Beginning German I	Introduces understanding, speaking, reading, and writing skills and emphasizes basic German sentence structures	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
55	<a href="#">GER 102</a>	Beginning German II	Introduces understanding, speaking, reading, and writing skills and emphasizes basic German sentence structures.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	GER 101	n/a
56	<a href="#">GER 201</a>	Intermediate German I	Continues to develop understanding, speaking, reading, and writing skills. German is used in the classroom.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	GER 102 or equivalent	n/a
57	<a href="#">GER 202</a>	Intermediate German II	Continues to develop understanding, speaking, reading, and writing skills. German is used in the classroom.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	GER 201	n/a
58	<a href="#">HIM 111</a>	Medical Terminology I	Introduces the student to the language used in the health record. Includes a system-by-system review of anatomic, disease, and operative terms, abbreviations, radiography procedures, laboratory tests, and pharmacology terms.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
59	<a href="#">HIS 111</a>	History of World Civilization I	Surveys Asian, African, Latin American, and European civilizations from the ancient period to the present.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
60	<a href="#">HIS 112</a>	History of World Civilization II	Surveys Asian, African, Latin American, and European civilizations from the ancient period to the present.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
61	<a href="#">HIS 121</a>	US History I	Surveys United States history from its beginning to the present.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
62	<a href="#">HIS 122</a>	US History II	Surveys United States history from its beginning to the present.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
63	<a href="#">HLT 141</a>	Introduction to Medical Terminology	Focuses on medical terminology for students preparing for careers in the health professions.	1	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
64	<a href="#">HLT 250</a>	General Pharmacology I	Emphasizes general pharmacology for the health-related professions; covers general principles of drug actions/reactions, major drug classes, specific agent within each class, and routine mathematical calculations needed to determine desired dosages.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a

65	<a href="#">HRI 106</a>	Principles of Culinary Arts I	Introduces the fundamental principles of food preparation and basic culinary procedures. Stresses the use of proper culinary procedures combined with food science, proper sanitation, standards of quality for food items that are made, and proper use and care of kitchen equipment.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
66	<a href="#">HRI 107</a>	Principles of Culinary Arts II	Introduces the fundamental principles of food preparation and basic culinary procedures. Stresses the use of proper culinary procedures combined with food science, proper sanitation, standards of quality for food items that are made, and proper use and care of kitchen equipment.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
67	<a href="#">HRI 158</a>	Sanitation & Safety	Covers the moral and legal responsibilities of management to insure a sanitary and safe environment in a food service operation. Emphasizes the causes and prevention of food-borne illnesses in the conformity with federal, state, and local guidelines. Focuses on osha standards in assuring safe working conditions.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
68	<a href="#">HRT 100</a>	Introduction to Horticulture	Introduces commercial horticulture industry with emphasis on career opportunities. Examines equipment; facilities; and physical arrangements of production, wholesale, and retail establishments.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
69	<a href="#">HRT 115</a>	Plant Propagation	Teaches principles and practices of plant propagation. Examines commercial and home practices. Provides experience in techniques using seed-spores, cuttings, grafting, budding, layering and division.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
70	<a href="#">HRT 121</a>	Greenhouse Crop Production I	Examines commercial practices related to production of floricultural crops. Considers production requirements, environmental control and management, and cultural techniques affecting production of seasonal crops.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
71	<a href="#">HRT 245</a>	Woody Plants	Studies identification, culture, and uses of woody plants in landscaping. Includes deciduous and evergreen, native and cultivated shrubs, trees, and vines. Teaches scientific and common names of plants.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
72	<a href="#">ITD 110</a>	Web Page Design I	Stresses a working knowledge of Web site designs, construction, and management using HTML or XHTML. Course content includes headings, lists, links, images, image maps, tables, forms, and frames.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
73	<a href="#">ITD 132</a>	Structured Query Language	Incorporates a working introduction to commands, functions and operators used in SQL for extracting data from standard databases.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITE 115	n/a
74	<a href="#">ITD 134</a>	PL/SQL Programming	Presents a working introduction to PL/SQL programming within the Oracle RDBMS environment. Includes PL/SQL fundamentals of block program structure; variables; cursors and exceptions; and creation of program units of functions, triggers, procedures, and packages.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITD 132	n/a
75	<a href="#">ITD 210</a>	Web Page Design II	Incorporates advanced techniques in website planning, design, usability, accessibility, advanced site management, and maintenance utilizing web editor software(s).	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITD 110	n/a
76	<a href="#">ITD 256</a>	Advanced Database Management	Focuses in-depth instruction in the handling of critical tasks of planning and implementing large databases. Includes an introduction to concepts of advanced data warehousing and database configuration.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITE 115	n/a
77	<a href="#">ITD 260</a>	Data Modeling & Design	Introduces life cycle application development methodologies in a systematic approach to developing relational databases and designing applications. Presents content introducing functional and business process modeling, using modeling information to produce application designs, analyzing data requirements as entities, attributes, and relationships and map an entity relationship diagram to an initial database design. Identifies the available automated development tools and utilizes Oracle Developer software to perform practical applications of these concepts.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITE 115 or Oracle or SQL programming including DDL, DML, transaction control & queries with SELECT statement and some	n/a

78	<a href="#">ITE 100</a>	Introduction to Information Systems	Introduces students to general concepts of computer information systems. Presents terminology and effects of computers on daily life. Discusses available hardware and software as well as their applications. Exposes students to the system development process.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
79	<a href="#">ITE 115</a>	Introduction to Computer Applications & Concepts	Covers computer concepts and internet skills and uses a computer software suite that includes word processing, spreadsheet, database, and presentation software to demonstrate skills required for computer literacy.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Recommended prerequisite: keyboarding skills	n/a
80	<a href="#">ITE 119</a>	Information Literacy	Presents the information literacy core competencies focusing on the use of information technology skills. Skills and knowledge will be developed in database searching, computer applications, information security and privacy, and intellectual property issues.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
81	<a href="#">ITN 100</a>	Introduction to Telecommunications	Surveys data transmission systems, communication lines, data sets, network, interfacing, protocols, and modes of transmission. Emphasizes network structure and operation.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITE 115	n/a
82	<a href="#">ITN 101</a>	Introduction to Network Concepts	Provides instruction in networking media, physical and logical topologies, common networking standards and popular networking protocols. Emphasizes the TCP/IP protocol suite and related IP addressing schemes, including CIDR. Includes selected topics in network implementation, support, and LAN/WAN connectivity.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITE 115	n/a
83	<a href="#">ITN 106</a>	Microcomputer Operating Systems	Teaches use of operating system utilities and multiple-level directory structures, creation of batch files, and configuration of microcomputer environments. May include a study of graphic user interfaces.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
84	<a href="#">ITN 107</a>	Personal Computer Hardware & Troubleshooting	Includes specially designed instruction to give students a basic knowledge of hardware and software configurations. Includes the installation of various peripheral devices as well as basic system hardware components.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
85	<a href="#">ITN 154</a>	Networking Fundamentals: CISCO	Provides introduction to networking using the OSI reference model. Includes data encapsulation, TCP/IP suite, routing, IP addressing, and structured cabling design and implementation.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
86	<a href="#">ITN 155</a>	Introductory Routing: CISCO	Features an introduction to basic router configuration using Cisco IOS software. Includes system components, interface configuration, IP network design, troubleshooting techniques, configuration and verification of IP addresses and router protocols.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITN 154	n/a
87	<a href="#">ITN 156</a>	Basic Switching & Routing: CISCO	Centers instruction in LAN segmentation using bridges, routers, and switches. Includes fast Ethernet, access lists, routing protocols, spanning tree protocol, virtual LANs, and network management.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITN 155	n/a
88	<a href="#">ITN 170</a>	Linux System Administration	Focuses instruction on the installation, configuration, and administration of the Linux operating system and emphasizes the use of Linux as a network client and workstation.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITE 115	n/a
89	<a href="#">ITN 171</a>	UNIX I	Provides and introduction to UNIX operating systems. Teaches login procedures, file creation, UNIX file structure, input/output control, and the UNIX shell.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITE 115	n/a
90	<a href="#">ITN 200</a>	Administration of Network Resources	Students must be able to read and write at a college level. Focuses on the management of local area network servers. Teaches proper structuring of security systems. Explains print queues, disk management, and other local area network (LAN) issues. Presents concerns and issues for the purchase and installation of hardware and software upgrades. The course can be taught using any network operating system or a range of operating systems as a delivery tool.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITN 100 or ITN 101	n/a

91	<a href="#">ITN 260</a>	Network Security Basics	Explores the basics of network security in depth. Includes security objectives, security architecture, security models and security layers. Discusses risk management, network security policy, and security training. Discusses the five security keys: confidentiality, integrity, availability, accountability, and auditability.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	ITN 100 or ITN 101	n/a
92	<a href="#">ITP 100</a>	Software Design	Introduces principles and practices of software development. Includes instruction in critical thinking, problem solving skills, and essential programming logic in structured and object-oriented design using contemporary tools.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> SAT 510; ACT 19; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 5	Placement into MTH 154 or HIGHER	n/a
93	<a href="#">LAT 201</a>	Intermediate Latin I	Introduces the reading of classical Latin with a review of Latin grammar, forms, and syntax.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	2 years of high school Latin or 1 college Latin	n/a
94	<a href="#">LAT 202</a>	Intermediate Latin II	Introduces the reading of classical Latin with a review of Latin grammar, forms, and syntax.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	LAT 201	n/a
95	<a href="#">MDL 100</a>	Introduction to Medical Laboratory Technician	Introduces the basic principles, techniques, and vocabulary applicable to all phases of medical laboratory technology.	2	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
96	<a href="#">MKT 201</a>	Introduction to Marketing	Introduces students to the discipline of marketing and the need to create customer value and customer relationships in the marketplace. Presents an overview of the marketing principles, concepts, management strategies and tactics, along with the analytical tools, used by organizations in the creation of a marketing plan to promote ideas, products, and/ or services to selected target groups. Examines entrepreneurial e-marketing practices in today's business environment.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
97	<a href="#">MTH 154</a>	Quantitative Reasoning (Former MTH 157--Elementary Statistics)	Presents topics in proportional reasoning, modeling, financial literacy and validity studies (logic and set theory). Focuses on the process of taking a real-world situation, identifying the mathematical foundation needed to address the problem, solving the problem and applying what is learned to the original situation.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3 -- <b>MATH:</b> SAT 510; ACT 19; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 5	MTT 1-5	n/a
98	<a href="#">MTH 161</a>	Precalculus I (Former MTH 163--Precalculus I)	Presents topics in power, polynomial, rational, exponential, and logarithmic functions, and systems of equations and inequalities.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3 -- <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 9	MTT 1-9	n/a
99	<a href="#">MTH 162</a>	Precalculus II (Former MTH 164--Precalculus II)	Presents trigonometry, trigonometric applications including Law of Sines and Cosines and an introduction to conics.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3 -- <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 9	Placement into MTH 162 or completion of MTH 161	n/a
100	<a href="#">MTH 245</a>	Statistics I (Former MTH 241--Statistics I)	Presents an overview of statistics, including descriptive statistics, elementary probability, probability distributions, estimation, hypothesis testing, correlation, and linear regression.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3-- <b>MATH:</b> SAT 510; ACT 19; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 5	MTH 154, MTH 161, MTH 165, or MTH 181	n/a
101	<a href="#">MTH 263</a>	Calculus I (Former MTH 173--Calculus With Analytic Geometry I)	Presents concepts of limits, derivatives, differentiation of various types of functions and use of differentiation rules, application of differentiation, antiderivatives, integrals and applications of integration.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3-- <b>MATH:</b> AP Calc. BC 3; VPT MTH units 1 through 9 with placement into MTH 263 (PreCalc. w/ trig.)	MTH 167, MTH 161/162 or equivalent	n/a
102	<a href="#">MTH 264</a>	Calculus II (Former MTH 174--Calculus With Analytic Geometry II)	Continues the study of calculus of algebraic and transcendental functions including rectangular, polar, and parametric graphing, indefinite and definite integrals, methods of integration, and power series along with applications. Features instruction for mathematical, physical and engineering science programs.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3-- <b>MATH:</b> AP Calc. BC 3; VPT MTH units 1 through 9 with placement into MTH 263 (PreCalc. w/ trig.)	MTH 263 or equivalent	n/a
103	<a href="#">MTH 265</a>	Calculus III (Former MTH 277--Vector Calculus)	Focuses on extending the concepts of function, limit, continuity, derivative, integral and vector from the plane to the three dimensional space. Covers topics including vector functions, multivariate functions, partial derivatives, multiple integrals and an introduction to vector calculus. Features instruction for mathematical, physical and engineering science programs.	4	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3 -- <b>MATH:</b> AP Calc. BC 3; VPT MTH units 1 through 9 with placement into MTH 263 (PreCalc. w/ trig.)	MTH 264	n/a



104	<a href="#">MTH 266</a>	Linear Algebra (Former MTH 285--Linear Algebra)	Covers matrices, vector spaces, determinants, solutions of systems of linear equations, basis and dimension, eigenvalues, and eigenvectors. Features instruction for mathematical, physical and engineering science programs.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3 -- <b>MATH:</b> AP Calc. BC 3; VPT MTH units 1 through 9 with placement into MTH 263 (PreCalc. w/ trig.)	MTH 263 or 264 or equivalents	n/a
105	<a href="#">MTH 267</a>	Differential Equations (Former MTH 291--Differential Equations)	Introduces ordinary differential equations. Includes first order differential equations, second and higher order ordinary differential equations with applications and numerical methods.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 3 -- <b>MATH:</b> AP Calc. BC 3; VPT MTH units 1 through 9 with placement into MTH 263 (PreCalc. w/ trig.)	MTH 264 or equivalent	n/a
106	<a href="#">MUS 121</a>	Music Appreciation I	Increases the variety and depth of the student's interest, knowledge, and involvement in music and related cultural activities. Acquaints the student with traditional and twentieth-century music literature, emphasizing the relationship music has as an art form with man and society. Increases the student's awareness of the composers and performers of all eras through listening and concert experiences.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
107	<a href="#">MUS 122</a>	Music Appreciation II	Increases the variety and depth of the student's interest, knowledge, and involvement in music and related cultural activities. Acquaints the student with traditional and twentieth-century music literature, emphasizing the relationship music has as an art form with man and society. Increases the student's awareness of the composers and performers of all eras through listening and concert experiences.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
108	<a href="#">MUS 213</a>	Composition I	Requires the writing of short compositions in several styles, ranging from the eighteenth to the twentieth century, for various instrumental or vocal combinations. Individualizes instruction meets the special need of each student. Score analysis forms an important part of this course	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Division approval	n/a
109	<a href="#">MUS 214</a>	Composition II	Requires the writing of short compositions in several styles, ranging from the eighteenth to the twentieth century, for various instrumental or vocal combinations. Individualizes instruction meets the special need of each student. Score analysis forms an important part of this course.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Division approval	n/a
110	<a href="#">PHT 101</a>	Photography I	Teaches principles of photography and fundamental camera techniques. Requires outside shooting and lab work.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
111	<a href="#">PHT 130</a>	Video I	Introduces the basics of recording and editing video and sound for a variety of intents. Explores time-based media as an art form and means of communication.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
112	<a href="#">PHT 131</a>	Video II	Introduces the basics of recording and editing video and sound for a variety of intents. Explores time-based media as an art form and means of communication.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	PHT 130 or instructor approval	n/a
113	<a href="#">PHY 101</a>	Introduction to Physics I	Surveys general principles of physics. Includes topics such as force and motion, energy, heat, sound (PHY 101), light, electricity and magnetism, and modern physics (PHY 102). Involves using arithmetic and some simple algebra, mostly in laboratory.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Placement into ENG 111	n/a
114	<a href="#">PHY 102</a>	Introduction to Physics II	Surveys general principles of physics. Includes topics such as force and motion, energy, heat, sound (PHY 101), light, electricity and magnetism, and modern physics (PHY 102). Involves using arithmetic and some simple algebra, mostly in laboratory.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	PHY 101	n/a
115	<a href="#">PHY 201</a>	General College Physics I	Teaches fundamental principles of physics. Covers mechanics, thermodynamics, wave phenomena, electricity, optics, magnetism, and selected topics in modern physics.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 9	MTH 161 & satisfactory placement into ENG 111	n/a
116	<a href="#">PHY 202</a>	General College Physics II	Teaches fundamental principles of physics. Covers mechanics, thermodynamics, wave phenomena, electricity, optics, magnetism, and selected topics in modern physics.	4	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH units 1 through 9	PHY 201 & satisfactory placement into ENG 111	n/a

117	<a href="#">PLS 211</a>	US Government I	Teaches structure, operation, and process of national, state, and local governments. Includes in-depth study of the three branches of the government and of public policy.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
118	<a href="#">PLS 212</a>	US Government II	Teaches structure, operation, and process of national, state, and local governments. Includes in-depth study of the three branches of the government and of public policy.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
119	<a href="#">PLS 241</a>	International Relations I	Teaches geographic, demographic, economic, ideological, and other factors conditioning the policies of countries, and discusses conflicts and their adjustment.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
120	<a href="#">PLS 242</a>	International Relations II	Teaches foreign policies of the major powers in the world community with an emphasis on the role of the United States in international politics.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
121	<a href="#">PSY 200</a>	Principles of Psychology	Surveys the basic concepts of psychology. Covers the scientific study of behavior and mental processes, research methods and measurement, theoretical perspectives, and application. Includes biological bases of behavior, learning, social interactions, memory, and personality; and other topics such as sensation, perception, consciousness, thinking, intelligence, language, motivation, emotion, health, development, psychological disorders, and therapy.	3	<b>ENGLISH:</b> SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENG 111 <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	Placement into ENG 111	n/a
122	<a href="#">REL 100</a>	Introduction to the Study of Religion	Explores various religious perspectives and ways of thinking about religious themes and religious experience.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
123	<a href="#">REL 231</a>	Religions of the World I	Studies religions of the world with attention to origin, history, and doctrine. Part I of II.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
124	<a href="#">REL 232</a>	Religions of the World II	Studies religions of the world with attention to origin, history, and doctrine. Part II of II. Includes but not limited to Judaism, Christianity, and Islam.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
125	<a href="#">REL 246</a>	Christianity	Examines the origins and historical development of Christianity, its basic metaphysical and theological assumptions and essential doctrines; also examines the present state of the church in the modern world.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
126	<a href="#">SPA 201</a>	Intermediate Spanish I	Continues to develop understanding, speaking, reading, and writing skills. Spanish is used in the classroom.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	SPA 102 or equivalent	n/a
127	<a href="#">SPA 202</a>	Intermediate Spanish II	Continues to develop understanding, speaking, reading, and writing skills. Spanish is used in the classroom.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	SPA 201	n/a
128	<a href="#">WEL 120</a>	Introduction to Welding	Introduces history of welding processes. Covers types of equipment, and assembly of units. Stresses welding procedures such as fusion, non-fusion, and cutting oxyacetylene. Introduces arc welding. Emphasizes procedures in the use of tools and equipment.	2	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
129	<a href="#">WEL 121</a>	Arc Welding	Studies the operation of AC and DC power sources, weld heat, polarities, and electrodes for use in joining various alloys by the same process. Covers welds in different types of joints and different welding positions.	2	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a

130	<a href="#">WEL 122</a>	Welding II: Electric Arc	Teaches electric arc welding, including types of equipment, selection of electrodes, safety equipment and procedures, and principles and practices of welding.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	WEL 121 or instructor approval	n/a
131	<a href="#">WEL 130</a>	Inert Gas Welding	Introduces practical operations in the uses of inert gas-shield arc welding. Discusses equipment, safety operations, welding practices in the various positions; shielded gases, filler rods, process variations, and applications; and manual and semi-automatic welding	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
132	<a href="#">WEL 150</a>	Welding Drawing & Interpretation	Teaches fundamentals required for successful drafting as applied to the welding industry, including blueprint reading, geometric principles of drafting and freehand sketching, basic principles of orthographic projection, preparation of drawings, and interpretation of symbols.	2	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a
133	<a href="#">WEL 160</a>	Semi-Automatic Welding Processes	Introduces semi-automatic welding processes with emphasis on practical application. Includes the study of filler wires, fluxes, and gases.	3	<b>ENGLISH:</b> PSAT 10/NMSQT EBRW 390; SAT 480; ACT E&R 18; AP Lit. or Lang. 3; VPT ENF 1 -- <b>MATH:</b> PSAT 10/NMSQT 500; SAT 530; ACT 22; SOL (Alg. I, II or Geo.) 400; AP Calc. BC 3; IB Math 5; VPT MTH any unit above zero(0)	n/a	n/a

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