

Windermere High School 2020-2021 Pre-Majors

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Pre-Major	Description	Year 1	Year 2	Year 3	Year 4 (optional)
Accounting & Business	Students interested in career paths in business and accounting. **Students who have taken Digital Information Technology in middle school will move directly into the year 2 course.	Digital Information Technology	Accounting Applications 1	Accounting Applications 2	Accounting Applications 3
		Digital Information Technology	Business and Entrepreneurial Principles	Management and Human Resources	Legal Aspects of Business
National Defense Cadet Corps (ROTC)	NDCC units are designed "to expand students' opportunities to gain the values of citizenship, service to the United States, personal responsibility and a sense of accomplishment.	NDCC/ROTC 1	NDCC/ROTC 2	NDCC/ROTC 3	NDCC/ROTC 4
Agriculture	Animal Science and Services Concentration - The content includes but is not limited to planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, health, safety and environmental issues, and the use and care of animal health-care instruments, animal grooming equipment, animal restraining equipment, and laboratory equipment.	Agriscience Foundations 1	Animal Science and Services 2	Animal Science and Services 3	Animal Science and Services 4
	Forestry Concentration - The content includes but is not limited to planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues with a specific focus in the areas of urban forest; timber marketing; business management skills; measuring trees and forest volume; silvicultural systems; prescribed burning; preventative maintenance.	Agriscience Foundations 1	Forestry and Natural Resources 2	Forestry and Natural Resources 3	Forestry 4
	Veterinary Assisting Concentration - The content includes but is not limited to broad, transferable skills and stresses understanding and demonstration of the following elements of the veterinary assisting industry: planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues and health, safety and environmental issues. The program also provides supplemental training for persons previously or currently employed as veterinary assistants.	Agriscience Foundations 1	Veterinary Assisting 1	Veterinary Assisting 2	Veterinary Assisting 3
AICE	The Cambridge AICE Diploma is an international pre-university curriculum that prepares learners for honors degree programs. It lets schools offer a broad curriculum by recognizing the achievements of learners who pass examinations in subjects drawn from across the curriculum. This is an application-based premajor which must be started by the beginning of the student's 10th grade year. The program requires students to have completed Algebra 1 with an A or B and a 3 or higher on the Algebra 1 EOC prior to entering 9th grade, and scoring a 4 or 5 on the 8th Grade ELA FSA or in at least the 70th percentile on a national ELA assessment.	See course request form.			
Biomedical Science	Students interested in career paths that utilize biology and medical concepts are empowered to explore and find solutions to some of today's most pressing medical challenges. **Students not enrolled in Biology or Biology Honors during the first year will take Medical Skills & Services the year prior to beginning the Principles of Biomedical course.	**Principles of Biomedical Sciences OR Medical Skills and Service	Human Body Systems	Medical Interventions	Capstone Medical Innovations
Digital Design	This computer based program of study will allow students to explore software to design and create a variety of multimedia products. Students will receive enhanced practical experiences in computer-generated art and text, graphic design, graphic production, digital design skills, preparation of digital layouts and illustrations, scanning, and the development of specialized multimedia presentations.	Digital Information Technology	Digital Design 1	Digital Design 2	AP Computer Science A
Engineering	Civil Engineering and Architecture Concentration - Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects using 3-D architectural design software.	Introduction to Engineering Design	Principles of Engineering	Civil Engineering and Architecture	Capstone Engineering Design and Development
	Digital Electronics Concentration - Students will explore the inner workings of computers and other electronics. The program will start with the basics of engineering and then focus on digital and electrical engineering. Students will be exposed to logic gates, integrated circuits, programmable logic devices, and circuit design tools used in industry.	Introduction to Engineering Design	Principles of Engineering	Digital Electronics	Capstone Engineering Design and Development
	Environmental Sustainability Concentration - Students integrate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy.	Introduction to Engineering Design	Principles of Engineering	Environmental Sustainability	Capstone Engineering Design and Development
	Aerospace Engineering Concentration - Students learn the fundamentals of atmospheric and space flight. Students explore the physics of flight, orbital mechanics, and robot systems.	Introduction to Engineering Design	Principles of Engineering	Aerospace Engineering	Capstone Engineering Design and Development
Liberal Arts	The Liberal Arts program will allow students to work in different areas with a focus on strengthening skills in various disciplines.	AP Comparative Government and Politics	Digital Information Technology	AP Seminar	AP Research
Arts	Band Concentration	Band 1	Band 2	Band 3	Band 4 & AP Music Theory
	Orchestra Concentration	Orchestra 1	Orchestra 2	Orchestra 3	Orchestra 4 & AP Music Theory
	Fine Arts - Students in this program are working towards creating a professional level portfolio that you can present to any employer or a college entrance committee. These courses require material fees and you will be researching and creating artwork everyday.	Draw 1 or Equivalent	Paint 1 or Equivalent	AP Studio Art	AP Art History
	Vocal Music Concentration- Vocal music majors refine vocal techniques, musicianship skills, part singing and sight reading on a daily basis. Students have the opportunity to perform a variety of music from classical to jazz and perform in exciting and challenging venues. Students' progress from Level II-Level V Honors chorus courses. Each course is designed to provide a high level of instruction and offer experiences which prepare students for further study at the college level or entrance into the profession. All music students who plan to go to college to major in music are strongly encouraged to take AP Music Theory and Class Piano in high school to help prepare for the rigorous collegiate music major.	Chorus 1	Chorus 2	Chorus 3	Chorus 4 & AP Music Theory
	Musical Theatre Concentration * (Audition required) - Theater majors explore the world of classic and contemporary musical theater while developing their voice, dance, and acting technique. The program begins with laying theater foundations in year one focusing, progressively moving into more challenging work year two and three, and exploring the student's own artistic voice and creativity in the fourth year. The end goal is to provide a high level of instruction and experiences that prepare students for further study at the college level or entrance into the profession.	Audition Drama 1	Musical Theatre 1	Musical Theatre 2	Musical Theatre 3 & AP Music Theory
	Dance Advanced* (Audition required) - Students in this program have proficient ballet technique and continue their training in ballet, jazz and other styles of dance. These students develop choreography and study dance repertory. All students will participate in after-school rehearsals and performances including county performance assessments and competitions.	Dance Repertory 1	Dance Rep 2	Dance Rep 3 Honors And/or Choreography 1	Dance Rep 4 Honors And/or Choreography 2 Honors
	Digital Photography Concentration - The creative, industry-focused curriculum is designed for students to develop a strong foundation of knowledge, technical skills and business practices for lifelong learning and gainful employment in the photographic industry. Students explore the aesthetic foundations of visual art, digital camera operations, composition and editing, advancing to more challenging media and techniques, event photography, studio work and portfolio development as they progress through the program. This program includes Industry Certification in Adobe Photoshop CC.	Digital Photography 1	Digital Photography 2	Digital Photography 3	Digital Photography 4
	Digital Video Concentration* (Application required)	Digital Video Technology 1	Digital Video Technology 2	Digital Video Technology 3	Digital Video Technology 4
Tourism Marketing & Management	The Tourism Marketing and Management program includes components on planning, management, finance, technical and production skills, underlying principles of technology, labor issues, community issues, and health, safety, and environmental issues. The program prepares students for global employment in the tourism and hospitality industry by providing skills and internships in the tourism market.	Introduction to Hospitality & Tourism	Hospitality & Tourism Marketing Management	Hospitality & Tourism Entrepreneurship	Technology for Hospitality & Tourism

* Audition or application required. Please pick a backup pre-major.