


HB5 ADVANCED COURSES BY DISCIPLINE

ADVANCED ENGLISH COURSES	ADVANCED MATH COURSES	ADVANCED SCIENCE COURSES *- CATEGORY 1
English 4 (AP, IB, DC) or English 4 British Lit DC Independent Study in English Literary Genres(DL) Creative Writing(DC, DL) Communication Application(DC, DL) Research and Technical Writing Humanities Public Speaking III Oral Interpretation III Debate III Independent Study in Speech Independent Study in Journalism Advanced Broadcast Journalism Advanced Journalism: Newspaper III Advanced Journalism: Yearbook III English Literature and Composition AP Language Studies HL IB Business English <i>Locally developed ELA course or other activity [Pursuant to TEC §28.002(g-1)]</i> <i>College Prep ELA [Pursuant to TEC §28.014]</i>	Algebra II(PAP, DL) Pre-Calculus (PAP, DL) Advanced Quantitative Reasoning Independent Study in Mathematics Discrete Mathematics for Problem Solving Discrete Mathematics for Computer Science Statistics AP Calculus AB AP Calculus BC AP Algebraic Reasoning AP Computer Science AP *Math Models (for 2014-2015 school year only) Mathematical Studies Standard Level SL IB Mathematics SL IB Mathematics Higher Level HL IB Further Mathematics HL IB Engineering Mathematics Statistics & Risk Management (DC) <i>*Note: A course on this list may be taken either before or after one of the following courses: Mathematical Models with Applications, Mathematical Applications in Agriculture Food and Natural Resources.</i> **Course choices must meet prerequisites and endorsement sequencing	Integrated Physics and Chemistry (IPC) Chemistry (PAP, AP, IBP, DL, IB, DC) Physics (PAP, DL, IB, DC) or Principles of Technology Physics 1 AP: Algebra-Based Course choices must meet prerequisites and endorsement sequencing
CTE COURSES FOR HS CREDIT	COURSES THAT SATISFY GRADUATION REQUIREMENTS FOR TECHNOLOGY	ADVANCED SCIENCE COURSES *- CATEGORY 2
Scientific Research and Design 1, 2, & 3 Biology SRD DC Chemistry SRD DC Physics SRD DC Bio 3 IB Chemistry 3 IB Anatomy & Physiology IB Engineering Design and Problem Solving Medical Microbiology Pathophysiology Advanced Animal Science Anatomy and Physiology-Articulated/PAP Advanced Biotechnology Advanced Plant and Soil Science Food Science Forensic Science Principles of Technology Math App in Ag. Food & Natural Resources Engineering Math Statistics & Risk Management (DC) Professional Communication Principles and Elements of Floral Design	Business Information Management (BIM) Architectural Design, Advanced Architectural Design – CCTE Interior Design Digital Design and Media Production Audio/Video Production – CCTE Graphic Design & Illustration – CCTE Animation – CCTE and Chapin Business Management – CCTE Digital Interactive Multimedia Computer Technician – CCTE, Computer Maintenance – CCTE Telecommunication & Networking – CCTE Research in IT Solutions – CCTE Concepts of Engineering and Technology PLW Concepts of Engineering & Tech – Chapin PLW Intro to Engineering and Design Engineering Design & Presentation, Adv. Engineering Design – CCTE Robotic and Engineering Computer Science AP, Computer Science 1&2-SL & HL IB Information Technology In a Global Society SL & HL IB Computer Science 1 PAP DL	Biology (AP, IB, DC) Chemistry (PAP, AP, IBP, IB, DC) Physics (PAP, IB, DC) (Physics 1 AP - Physics 2 AP): Algebra-Based Physics C AP Aquatic Science Astronomy Earth and Space Science Environmental Systems (IB) Environmental Science (AP) Advanced Animal Science Advanced Plant and Soil Science Anatomy and Physiology (Articulated or PAP) Medical Microbiology Pathophysiology Food Science Forensic Science Advanced Biotechnology Principles of Technology Scientific Research & Design (Biology SRD-DC) , (Chemistry SRD-DC) (Physics SRD-DC) , (Geology SRD-DC) Engineering Design and Problem Solving Principles of Engineering **Course choices must meet prerequisites and endorsement sequencing
		HEALTH
		Life Nutrition & Wellness – 1.0 Credit  Health Technology I – Silva Health Technology I – CCTE
		ADVANCED SOCIAL STUDIES COURSES
		World Geography or Human Geography AP World History (AP, Dual Credit) US History (AP, IB, DC) Government (AP, DC) Macroeconomics (AP, DC) European History, Psychology (AP), Sociology

*For Course Offering, Please See School Counselor

10/7/2016