Tiverton High School New Courses
Program of Studies 2020-2021

Academic Skills 290-II 4 Terms 3 Periods/Cycle 2.5 Credits

Academic Skills course emphasizes organizational and executive functioning skills. Students are taught explicit skills on how to organize their academic work, prepare for upcoming assignments and proper study skills. Additionally, instruction is focused on ensuring students learning specific learning strategies; for example, writing techniques to learn, reading strategies, and discussion strategies for analyzing information. Time is also provided to work on classwork assignments, assessments and review class performance.

Drone Technologies 650 - II 4 Terms 3 Periods/Cycle 2.5 Credits

Course Description: Preparing students to become entrepreneurs and work force ready in the industry of Unmanned Aircraft Systems (UAS). This introductory course prepares students to apply for their Unmanned Aircraft Systems (UAS) Certification, the FAA Part 107 Remote Airman's Certificate through instructional content, experience in "real flight time", and test preparation.

Prerequisite: This course is designed as an introductory course for grades 10-12.

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AP US Government 248 - I 4 Terms 6 Periods/Cycle 5 Credits

Course Description: This is a full-year, rigorous course that introduces students to the foundations of the AP US Government curriculum. This course is designed for students to think critically and use an evidence-based approach to study democracy, our constitution, and liberty and order. Additional topics of study include what it means to participate in democracy, and draft, debate, and pass legislation through Congress.
Prerequisite*:* Successful completion of World History and the summer assignment that counts towards the Term 1 grade.

Robotics Engineering 661 4 Terms 3 Periods/Cycle 2.5 Credits

Prerequisite**:** Successful completion of Robotics Technology or department chair approval.
This course is a continuation of Robotics Technology. Students will work with all aspects of robot design, fabrication, and programming techniques in order to prepare for various FIRST Tech Challenge (FTC) robotics competitions. Students will oversee competition planning including fundraising, networking and coordination of events. Students will use advanced sensory devices and programming procedures in designing projects. Students will be expected to participate in one of several robotics competitions throughout the year and will be required to attend various after school sessions.

Law 245 - I 4 Terms 6 Periods/Cycle 5 Credits
Completion of Summer Reading/Writing assignment is required and will count toward the term one grade. (This course will replace current Law - II course)

The college-bound senior with a high interest in the law should select this course of study. Honors Law is a practical program of legal education offered to seniors only. The information and problem-solving opportunities offered will help students understand their rights and responsibilities and develop skills and knowledge necessary to navigate our legal system. Students will become familiar with how our justice system functions by studying major substantive areas of constitutional, criminal and civil law. The ultimate goal of the class is to provide students with a sense of belonging in society through empowerment with knowledge of the law.

Academic Readiness and Success - II 285 4 Terms 3 Periods/Cycle 2.5 Credit

Academic Readiness and Success is designed to support the academic, organizational and social needs of students demonstrating a need for additional support. The curriculum provides explicit instruction in organizational skills with a structured, systematic approach to provide ongoing feedback from the teacher. Students develop short and long-term goals with a plan for monitoring their progress as the teacher provides instruction on targeted executive functioning and planning skills.

AP Calculus BC 494 - I 4 Terms 6 Periods/Cycle 5 Credits

Course Description: This is a full-year, rigorous course that introduces students to the foundations of differential and integral calculus. Additional topics include parametric, polar, and vector functions. Students will practice using mathematical procedures and reasoning to solve problems.
Prerequisite*:* Successful completion of Honors Precalculus and the summer assignment that counts towards the Term 1 grade.