School Year
2016-2017

# Advanced Coursework Network Catalog

Rhode Island Department of Education

School Year 2016-2017

PREPARE
Rhode Island

# EAST PROVIDENCE
# EDITION

**---FALL & YEARLONG COURSES---**

**----------BY CREDIT TYPE----------**

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## About the Advanced Coursework Network

Rhode Island students work diligently to meet high school graduation requirements and prepare themselves for college and career success. For some students, that work will include advanced courses for college credit or specialized training to receive an industry certification. These enriching experiences help students get a head start on post-secondary success, master the skills required of a lifelong learner, and be prepared for jobs in sectors critical to Rhode Island's future prosperity.

The Rhode Island Department of Education (RIDE) has developed the Advanced Coursework Network to ensure that all students have access to high quality coursework that will allow them to pursue their interests and prepare them for success after high school. The Advanced Coursework Network is a statewide course access system that gives students choices beyond what is available at their high school. Through state funding, schools can seamlessly expand course opportunities for their students at no additional cost to students, families or the district. The options available to schools and students will be offered through high quality, state-approved course providers, with possibilities ranging from local industry training programs to advanced courses at Rhode Island's colleges and universities.

The Network engages students and families to give Rhode Island high school students access to courses that enable them to envision, pursue and complete their individualized graduation pathway. Students remain enrolled in their current public school, but can supplement their existing curricular options to improve their college and career preparedness. The course offerings include advanced science and mathematics courses, as well as Advanced Placement (AP©), world languages, career-focused and dual/concurrent enrollment courses.

## Important Information

**Costs:** The RI Department of Education (RIDE) will cover the cost of course tuition and fees including textbook and materials for courses listed in this catalog for all students enrolling from public school Network Members. RIDE is unable to cover costs associated with transportation to courses. Students and families are responsible for these potential transportation costs. Please note that for Advanced Placement courses, the provider must adhere to the policies they have in place for students enrolled from their existing program. This means in some cases, a student may be responsible for the $92 to take the test. RIDE has funds available to supplement costs for students of families with qualified incomes. For more information, visit www.ride.ri.gov/advancedcoursework.

**Registration and Enrollment:** Students should work with their school guidance counselors and their families to identify appropriate coursework. Once coursework is identified, students, families or guidance counselors may complete the registration form on www.ride.ri.gov/advancedcoursework. Courses on the registration form will be organized alphabetically by course name. Please note the course, scheduling summary and provider of the courses you are interested in to be able to identify them on the form.

Courses will be filled "first-come-first-serve" with a wait list being created in the case seats open in the course before the start date. Specific start dates of each course will be shared by the Course Provider once a student has confirmed their registration in the course. **Students are not fully enrolled in the course until they and their School Contact receive a confirmation email from the course provider.**

**For questions or comments about the Advanced Coursework Network, email advancedcoursework@ride.ri.gov**

# COURSE OPTIONS

The following pages share the AY16-17 Fall and Yearlong course offerings. Courses are categorized into:

- Dual / Concurrent Enrollment: These courses will enable students to earn college from an accredited post-secondary institution while earning high school credit.
- Advanced Placement: These courses are identified by the College Board organization and are designed to be of college rigor. Students may choose to take a comprehensive course at the end of these courses to obtain a college credit equivalent that is accepted by many 2 and 4 year institutions of higher education.
- Career Preparation: These courses have been identified as leading to a workplace credential or oriented towards increasing student awareness of potential career opportunities.
- Advanced Secondary Credit: These courses may be electives and address various disciplines.

Courses may be offered in face to face formats or virtually. Look for this symbol to quickly identify virtual courses.

# DUAL / CONCURRENT ENROLLMENT

## SCIENCE, ENGINEERING & TECHNOLOGY

### AP Computer Science Principles

*Provider: Fab Newport*

**Category:** Dual / Concurrent Credit - Engineering & Technology

**Description:** AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. This curriculum framework provides a detailed description of the course content. The key sections of this framework are described in the following text (The AP Computer Science Principles Curriculum Framework). AP CSP offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. AP Computer Science Principles will give students the opportunity to use technology to address real-world problems and build relevant solutions. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science. The University of Rhode Island's Department of Computer Science and Statistics has developed a rigorous schedule of activities that align with the College Board's curriculum framework for AP CSP based on their freshmen introduction to computer science. The units have been tested across a 5 school districts in Rhode Island. FabNewport will use the URI curriculum developed by Victor Fay-Wolfe. Students receive 8 credits from the University of Rhode Island for successfully completing the course.

| | |
|---|---|
| **Credential Opportunity:** | Concurrent Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - School Day – One Day a Week OR Two days a week |
| **Semester:** | Yearlong |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Wednesday: 10-2 (meet once a week)<br>Tuesday and Thursday: 10-12 (meets twice a week) |
| **Location:** | 1 York Street, Newport RI |
| **Provider-Suggested Sched Code:** | 10011 |

## Computer and Networking Fundamentals

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 2 Class Hours 2 Lab Hours 3 Quarter Credit Hours | NE 115 This course provides a technical overview of computers and computer networking used in business. Hands on exercises are provided to give students experience with basic computer and network activities. The content serves as a technical foundation for later courses in the Network Engineering and Software Engineering programs.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall Quarter (October-December) |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /3:05pm - 4:45pm |
| **Location:** | One New England Tech Blvd., East Greenwich, RI 02818 |
| **Provider-Suggested Sched Code:** | 10254 |

## Digital Photography

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 2 Class Hours 4 Lab Hours 4 Quarter Credit Hours | GMW 100 This course introduces GMW students to the technology and techniques of digital image creation using SLR cameras. Starting with "what is digital" theory and principles, this course will train students in basic digital still camera photography, composition, and storage technique. It will then continue with each student shooting and editing their own photo essay, to be used as a first portfolio piece.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall Quarter (October-December) |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /3:05pm - 5:35pm |
| **Location:** | One New England Tech Blvd., East Greenwich, RI 02818 |
| **Provider-Suggested Sched Code:** | 05167 |

## Intro to Ship Handling

*Provider: Northeast Maritime Academy*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** The student of the science and art of controlling and maneuvering single and twin screw propelled power vessels and tug and barge combinations in light and loaded conditions using the Instittute's full bridge simulators. Propulsion and rudder systems and vessel turning and stopping are studied. Anchoring and anchor handling is addressed. The special considerations required for approaching other vessels, ship handling in rivers, maneuvering in shallow and narrow water ways, interaction of bank and passing vessels and berthing and un-berthing are studied. Dry-dockting, heavy weather operations including lifeboat/life raft operations, wake reduction, operating in ice, and towing operations are studied. Emergency procedures including grounding, collision, fire, abandon ship procedures, emergency steering, personnel rescue, man overboard recovery and emergency towing are addressed.

**Credential Opportunity:** Dual Credit
**Prerequisites:** Nautical Science
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Mon/Wed or Tues/Thurs /TBA
**Location:** 32 Washington Street, Fairhaven, MA
**Provider-Suggested Sched Code:** 20054

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## Introduction to Architecture and Building Technology

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 1 Class Hour 1 Quarter Credit Hour |ABT 111 This is a survey course which introduces students to Building Science. Primary topics will include the many professional disciplines and career paths available to graduates. Additional topics will also include the skills and attitudes necessary to the disciplines, professional ethics, relationships with other trades and professions, construction documentation, and LEED.

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall Quarter (October-December)
**Middle School Eligible:** No
**Day of Week / Time:** Mon or Wed /3:05pm - 4:05pm
**Location:** One New England Tech Blvd., East Greenwich, RI 02818
**Provider-Suggested Sched Code:** 17001

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## Introduction to Civil Engineering Technology

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 3 Class Hours 3 Quarter Credit Hours |CET 110 Introduction to the field of civil engineering with an overview of transportation infrastructure, municipal water and wastewater systems, surveying and environmental considerations. Other concepts to be introduced include careers in civil engineering, qualifications for civil engineers and technicians, and professional organizations within the industry.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall Quarter (October-December) |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /3:05pm - 4:15pm |
| **Location:** | One New England Tech Blvd., East Greenwich, RI 02818 |
| **Provider-Suggested Sched Code:** | 21011 |

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## Introduction to Engineering Technology

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 2 Class Hours 2 Quarter Credit Hours | EST 112 This course is an introduction to engineering technology that gives an overview of the engineering profession with sample applications of typical duties, tasks, and environment of the engineer and technologist today. The opportunities for and duties of various related engineering and technology specialists are illustrated. The future of engineering technology is also discussed.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall Quarter (October-December) |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /3:05pm - 4:45pm |
| **Location:** | One New England Tech Blvd., East Greenwich, RI 02818 |
| **Provider-Suggested Sched Code:** | 21999 |

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## Introduction to Game Development

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 2 Class Hours 2 Lab Hours 3 Quarter Credit Hours | GDS 114 This course is an overview of the game development industry. Students will learn what is involved in developing a professional game from start to finish. Topics include the game development life cycle, developing a budget and game specification documents. Students will also be exposed to important physics, math and artificial intelligence concepts relevant to game development.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall Quarter (October-December) |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /3:05pm - 4:45pm |
| **Location:** | One New England Tech Blvd., East Greenwich, RI 02818 |
| **Provider-Suggested Sched Code:** | 21059 |

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## Society, Ethics & Technology

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** This course provides a study of materials, processes, and equipment used in industry today. Topics include ferrous and nonferrous metals, material testing, heat treatment, founding process output capabilities of machines, welding, and inspection. Field trips and industrial films augment the text material. (3 credits)

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Asynchronous |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Virtual - Asynchronous / |
| **Location:** | Online |
| **Provider-Suggested Sched Code:** | 13002 |

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## Nautical Science

*Provider: Northeast Maritime Academy*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** An introduction to Nautical Science this course covers basic skills that would put the student at "Able Seafarer: level of knowledge in the Merchant Marine. The cousre includes material appropriate to the tudties of an Able Seafarer, as well as skills to efficiently organization the work of others. Topics covered include: rigging, mechanical advantage, deck equipment, hardware, maintainance, line handling and safety procedures, laws for the prevention of collisions at sea, identification of navigational aids, Introduction to maritime pollution prevention laws and practice, marlinspike seamanship and where possible the theory and paractice of cargo and weight handling. All topics will be covered both theoretically and practically.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /TBA |
| **Location:** | 32 Washington Street, Fairhaven, MA |
| **Provider-Suggested Sched Code:** | 20054 |

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## Programming Essentials Using C++

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 2 Class Hours 4 Lab Hours 4 Quarter Credit Hours | SE 114 C++ will be used as the vehicle to introduce flowcharting, control structures, calculations, interactive programming techniques, functions, and arrays. Students will learn to write high quality programs that implement techniques and theory necessary for business applications. Laboratory projects will grow in complexity as students gain hands-on experience. Both personal and business applications will be provided.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall Quarter (October-December) |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /3:05pm - 5:35pm |
| **Location:** | One New England Tech Blvd., East Greenwich, RI 02818 |
| **Provider-Suggested Sched Code:** | 10152 |

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## XHTML/JavaScript

*Provider: New England Institute of Technology*

**Category:** Dual / Concurrent Credit - Engineering & Technology
**Description:** 2 Class Hours 4 Lab Hours 4 Quarter Credit Hours |SE 111 In this course, students will gain an introduction to internet technologies and basic programming logic through the study of HTML 5, XHTML, Cascading Style Sheets, and Javascript. File organization and implementation of web graphics will be stressed throughout this course.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall Quarter (October-December) |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /3:05pm - 5:35pm |
| **Location:** | One New England Tech Blvd., East Greenwich, RI 02818 |
| **Provider-Suggested Sched Code:** | 10201 |

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## General Biology I

*Provider: Salve Regina University*

**Category:** Dual / Concurrent Credit - Science
**Description:** This course introduces fundamental concepts in ecology and evolution, relationships within populations and communities in the biosphere, Laboratory exercises include the use of natural richness of the school's island geography and in-lab simulations, Ethical concerns related to resources and their care and distribution are discussed.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | Generally 11th and 12th grade students, with exceptions for highly recommended 10th graders |
| **Scheduling Summary:** | F2F - School Day 3xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | M/W/F Noon to 12:50 and lab Wednesday 3-6pm |
| **Location:** | SRU Campus, Newport |
| **Provider-Suggested Sched Code:** | 03052 |

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## EMT Basic

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - Science
**Description:** Students will learn Skills in Basic Ufe Support, Respiratory Emergencies, Trauma Emergencies, vehicle extrication, and a new section on Terrorism awareness as It pertains to EMS. There will also be sections on medication administration, use of Automated External Defibrillators, and ambulance operations. Students will also be required to document 8 hours of observation time in a hospital Emergency Room. (6 Credits)

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tues/Thurs /6pm - 10pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 14055 |

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## Human Anatomy & Physiology I

*Provider: Salve Regina University*

**Category:** Dual / Concurrent Credit - Science
**Description:** A systematic study of the gross and microscopic anatomy of the human body and the function of its parts are explored in this course, Laboratory work includes dissections, microscopic examinations of structures and experiments in physiology. This sequence is for those in nursing. It is not appropriate, in and of itself, for those considering professional schools or graduate school in anatomy, physiology or development.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs /TBA |
| **Location:** | SRU Campus, Newport |
| **Provider-Suggested Sched Code:** | 03053 |

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## Intro to Public Health

**Category:** Dual / Concurrent Credit - Science
**Description:** Into to Public Health introduces students who are currently practicing in health care fields to an overview of public health on a state and national level. Students will learn about the public health system, including infectious disease, chro nic disease, occupational health, injury control, maternal and child health, regulation, behavioral health issues, surveillance, quality assurance, and policy. (3 credits)

*Provider: Roger Williams University*

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Monday /6pm - 9pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 14255 |

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## Intro to Public Health

**Category:** Dual / Concurrent Credit - Science
**Description:** Into to Public Health introduces students who are currently practicing in health care fields to an overview of public health on a state and national level. Students will learn about the public health system, including infectious disease, chro nic disease, occupational health, injury control, maternal and child health, regulation, behavioral health issues, surveillance, quality assurance, and policy. (3 credits)

*Provider: Roger Williams University*

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Asynchronous |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Virtual - Asynchronous / |
| **Location:** | Online |
| **Provider-Suggested Sched Code:** | 14255 |

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# MATHEMATICS

## Applied Calculus

**Category:** Dual / Concurrent Credit - Mathematics
**Description:** Students study topics that include functions, models, and average rate of change, limits, instantaneous rates of change, the derivative, differentiation techniques, applications of the derivative, and a brief introduction to integration, Prerequisite(s): Precalculus or high school algebra II.

*Provider: Salve Regina University*

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | Precalc/Algebra II |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Fri 2:30pm -3:45pm |
| **Location:** | SRU Campus, Newport |
| **Provider-Suggested Sched Code:** | 02122 |

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## Basic Statistics

**Category:** Dual / Concurrent Credit - Mathematics
**Description:** This course has an emphasize on descriptive statistics, probablity, estimation, hypothesis testing, regression and correlation.

*Provider: Roger Williams University*

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tuesday /6pm - 9pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 02203 |

---

## Basic Statistics

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - Mathematics
**Description:** This course has an emphasize on descriptive statistics, probablity, estimation, hypothesis testing, regression and correlation.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Asynchronous |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Virtual - Asynchronous |
| **Location:** | Online |
| **Provider-Suggested Sched Code:** | 02203 |

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## Linear Algebra

*Provider: Salve Regina University*

**Category:** Dual / Concurrent Credit - Mathematics
**Description:** This course covers the following topics: matrix algebra, systems of linear equations, vector spaces, linear transformations, eigenvalues, eigenvectors and applications. Historical notes are included throughout the course.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | Math 202, Generally 11th and 12th grade students, with exceptions for highly recommended 10th graders |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tues/Thurs 3:45pm - 5:00pm |
| **Location:** | SRU Campus, Newport |
| **Provider-Suggested Sched Code:** | 02104 |

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## Statistical Methods

*Provider: Salve Regina University*

**Category:** Dual / Concurrent Credit - Mathematics
**Description:** This course will address a broad spectrum of fundamental statistics concepts. The topics include exploratory data analysis, basic probability distributions, sampling distributions, interval estimations, hypothesis testing, and significance testing (P-Values) with single, paired and two-sample problems.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | Generally 11th and 12th grade students, with exceptions for highly recommended 10th graders |
| **Scheduling Summary:** | F2F – School Day 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tues/Thurs 8:00am - 9:15am |
| **Location:** | SRU Campus, Newport |
| **Provider-Suggested Sched Code:** | 02102 |

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# English Language & Composition

## Critical Writing for the Professions

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** A research-based course, Critical Writing for the Professions focuses on the guidelines for persuasive writing commonly used in business and industry: how to write for specific audiences, choose the appropriate style, design effective document formats. and use visuals to help achieve a documents purpose. The course emphasizes the composition of such professional documents as letters, proposals, and analytical reports. {3 credits}

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Thursday /6:15pm - 9pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 01105 |

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## Critical Writing for the Professions

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** A research-based course, Critical Writing for the Professions focuses on the guidelines for persuasive writing commonly used in business and industry: how to write for specific audiences, choose the appropriate style, design effective document formats. and use visuals to help achieve a documents purpose. The course emphasizes the composition of such professional documents as letters, proposals, and analytical reports. {3 credits}

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Asynchronous |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Virtual - Asynchronous / |
| **Location:** | Online |
| **Provider-Suggested Sched Code:** | 01105 |

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## Evolution of Jazz

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** This course is an overview of the development of America's original art form. It deals with events of the times, the cultural and societal influences on the development of Jazz and on the music itself. Through reading, viewing, and listening, students will study the many styles of this uniquely American phenomenon.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Thursday /6:15pm - 9pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 04302 |

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## Evolution of Jazz

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** This course is an overview of the development of America's original art form. It deals with events of the times, the cultural and societal influences on the development of Jazz and on the music itself. Through reading, viewing, and listening, students will study the many styles of this uniquely American phenomenon.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Asynchronous |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Virtual - Asynchronous / |
| **Location:** | Online |
| **Provider-Suggested Sched Code:** | 04302 |

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## Expository Writing

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** This first-year course helps students develop a conceptual map of how writing works by building their rhetorical and writing process knowledge and by fostering genre and discourse community awareness. Students draft a minimum of four revised essays and complete a course portfolio. Students must submit a satisfactof)' portfolio and earn a C-or higher in the course in order to enroll in a 200-or 300-level WTNG course. (3 credits)

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Monday /6:15pm - 9pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 01105 |

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## Expository Writing

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** This first-year course helps students develop a conceptual map of how writing works by building their rhetorical and writing process knowledge and by fostering genre and discourse community awareness. Students draft a minimum of four revised essays and complete a course portfolio. Students must submit a satisfactof)' portfolio and earn a C-or higher in the course in order to enroll in a 200-or 300-level WTNG course. (3 credits)

*Provider: Roger Williams University*

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** Virtual - Asynchronous
**Semester:** Fall 2016
**Middle School Eligible:** Yes
**Day of Week / Time:** Virtual - Asynchronous /
**Location:** Online
**Provider-Suggested Sched Code:** 01105

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## Intro to Public Speaking

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** This course emphasizes effective speaking techniques for public as well as everyday situations. Focuses on identifyin& orga nizing, and presenting facts, opinions, and values to a variety of audiences. (3 credits)

*Provider: Roger Williams University*

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Monday /6:15pm - 9pm
**Location:** RWU Campus, Providence
**Provider-Suggested Sched Code:** 01151

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## Intro to Public Speaking

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** This course emphasizes effective speaking techniques for public as well as everyday situations. Focuses on identifyin& orga nizing, and presenting facts, opinions, and values to a variety of audiences. (3 credits)

*Provider: Roger Williams University*

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** Virtual - Asynchronous
**Semester:** Fall 2016
**Middle School Eligible:** Yes
**Day of Week / Time:** Virtual - Asynchronous
**Location:** Online
**Provider-Suggested Sched Code:** 01151

## Writing for Professionals

**Category:** Dual / Concurrent Credit - English Language & Composition
**Description:** Designed for the non-literature major, this course emphasizes the various types of writing and speaking that equip college graduates for success in business and the professions, Students write a variety of business documents, including memoranda, business letters, resumes, and proposals.

*Provider: Salve Regina University*

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tues/Thurs 3:45pm - 5:00pm |
| **Location:** | SRU Campus, Newport |
| **Provider-Suggested Sched Code:** | 01103 |

# History & Social Studies

## Criminal Law for the Paralegal

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** Criminal law for the Paralegal offers an analysis of substantive criminal law, federal and state, with emphasis on background of the common law. Includes discussion of general principles of criminal law such as the extent to which the law attributes criminality to acts or omissions; criminal intent; conspiracy; infancy; insanity; drunkenness; special defenses; entrapment, mistake, and ignorance; and specific offenses such as offenses against the person, habitation, property, public peace, and morality. (3 credits)

*Provider: Roger Williams University*

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tuesday /6:15pm - 9pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 15057 |

## Criminal Law for the Paralegal

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** Criminal law for the Paralegal offers an analysis of substantive criminal law, federal and state, with emphasis on background of the common law. Includes discussion of general principles of criminal law such as the extent to which the law attributes criminality to acts or omissions; criminal intent; conspiracy; infancy; insanity; drunkenness; special defenses; entrapment, mistake, and ignorance; and specific offenses such as offenses against the person, habitation, property, public peace, and morality. (3 credits)

*Provider: Roger Williams University*

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** Virtual - Asynchronous
**Semester:** Fall 2016
**Middle School Eligible:** Yes
**Day of Week / Time:** Virtual - Asynchronous /
**Location:** Online
**Provider-Suggested Sched Code:** 15057

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## Elements and Issues in Community Development

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** Elements and Issues in CO provides an overview of the concepts, theories and applications in the field of community development. This is the foundation course for the Community Development program, but it is appropriate for all students interested in a comprehensive look at the elements required to understand what makes for successful communities, from housing to education, to social services and infrastructure. (3 credits)

*Provider: Roger Williams University*

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Tuesday /6pm - 9pm
**Location:** RWU Campus, Providence
**Provider-Suggested Sched Code:** 15201

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## Elements and Issues in Community Development

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** Elements and Issues in CO provides an overview of the concepts, theories and applications in the field of community development. This is the foundation course for the Community Development program, but it is appropriate for all students interested in a comprehensive look at the elements required to understand what makes for successful communities, from housing to education, to social services and infrastructure. (3 credits)

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Asynchronous |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Virtual - Asynchronous / |
| **Location:** | Online |
| **Provider-Suggested Sched Code:** | 15201 |

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## Foundations of Education

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** This course enables students to explore the profession and decide whether they want to become teachers. The curriculum examines historical, philosophical, and social issues of teaching and learning through selected readings, class discussions, and student research. This course includes a field experience in an urban public school. Students are required to write and present research on a current issue in education and to compile a "culture of the school" report based on their field experiences. (3 credits)

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Monday /6pm - 9pm |
| **Location:** | RWU Campus, Providence |
| **Provider-Suggested Sched Code:** | 19151 |

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## Foundations of Education

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** This course enables students to explore the profession and decide whether they want to become teachers. The curriculum examines historical, philosophical, and social issues of teaching and learning through selected readings, class discussions, and student research. This course includes a field experience in an urban public school. Students are required to write and present research on a current issue in education and to compile a "culture of the school" report based on their field experiences. (3 credits)

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** Virtual - Asynchronous
**Semester:** Fall 2016
**Middle School Eligible:** Yes
**Day of Week / Time:** Virtual - Asynchronous /
**Location:** Online
**Provider-Suggested Sched Code:** 19151

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## Intro to the Sports, Entertainment & Event Management Industry

*Provider: Johnson & Wales University*

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** SEE1001 Introduction to the Sports, Entertainment and Event Management Industry, is the course taken during a new student's first term of enrollment if they are entering JWU as a SEEM major. This course introduces students to the sports, entertainment and event management field. Emphasis is on the historical development, organizational structure, use of technology and career opportunities that exist within the industry. Operational issues related to the management of events and facilities such as arenas, convention centers and stadiums are also discussed.

**Credential Opportunity:** Dual Credit
**Prerequisites:** Must be in at least 10th grade and have a 3.0 cumulative GPA
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Wed /6pm - 8:30pm
**Location:** Harborside Academic Center on the Johnson & Wales University Harborside Campus
**Provider-Suggested Sched Code:** 12163

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## Nonprofit Management

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** This course provides students with an overview of the role of the nonprofit sector in the United States, as well as comprehensive exposure to the various elements of managing a non-profit organization. Governance, personnel, finance, planning, and service delivery will be examined and best practices located. Students emerge from the course better able to face the challenges of working in and managing a nonprofit organization. (3 credits)

*Provider: Roger Williams University*

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Wednesday /6pm - 9pm
**Location:** RWU Campus, Providence
**Provider-Suggested Sched Code:** 15201

---

## Nonprofit Management

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** This course provides students with an overview of the role of the nonprofit sector in the United States, as well as comprehensive exposure to the various elements of managing a non-profit organization. Governance, personnel, finance, planning, and service delivery will be examined and best practices located. Students emerge from the course better able to face the challenges of working in and managing a nonprofit organization. (3 credits)

*Provider: Roger Williams University*

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** Virtual - Asynchronous
**Semester:** Fall 2016
**Middle School Eligible:** Yes
**Day of Week / Time:** Virtual - Asynchronous
**Location:** Online
**Provider-Suggested Sched Code:** 15201

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## Orientation to the Hospitality Industry

*Provider: Johnson & Wales University*

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** HOSP1001 Orientation to the Hospitality Industry, is the course taken during a new student's first term of enrollment if they are entering JWU as a Hotel Management or Tourism & Hospitality Management major. This course is an introduction to the various segments within the hospitality industry (lodging, food service, travel and tourism, and sports, entertainment and event management). The course prepares students to apply sound management principles to the challenges encountered within the industry.

**Credential Opportunity:** Dual Credit
**Prerequisites:** Must be in at least 10th grade and have a 3.0 cumulative GPA
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Wed /6pm - 8:30pm
**Location:** Harborside Academic Center on the Johnson & Wales University Harborside Campus
**Provider-Suggested Sched Code:** 16001

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## Strategies in Community & Neighborhood Revitalization

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** This course provides an introduction to the field of community development. This course explores how community development practitioners function as agents of change within the social, cultural, and ecological systems they work. It is intended for students seeking an introduction to the field of community development leadership. Components of this class include developing core academic and professional skills such as research, writing. discussion, community bUilding, analysis and synthesis.

**Credential Opportunity:** Dual Credit
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Tuesday /6pm - 9pm
**Location:** RWU Campus, Providence
**Provider-Suggested Sched Code:** 15201

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## Strategies in Community & Neighborhood Revitalization

*Provider: Roger Williams University*

**Category:** Dual / Concurrent Credit - History & Social Sciences
**Description:** This course provides an introduction to the field of community development. This course explores how community development practitioners function as agents of change within the social, cultural, and ecological systems they work. It is intended for students seeking an introduction to the field of community development leadership. Components of this class include developing core academic and professional skills such as research, writing. discussion, community bUilding, analysis and synthesis.

| | |
|---|---|
| **Credential Opportunity:** | Dual Credit |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Asynchronous |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Virtual - Asynchronous |
| **Location:** | Online |
| **Provider-Suggested Sched Code:** | 15201 |

# ADVANCED PLACEMENT ©

## SCIENCE, ENGINEERING & TECHNOLOGY

## AP Chemistry

*Provider: Providence Public School District*

**Category:** Advanced Placement - Science
**Description:** The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, hermodynamics, and equilibrium.

| | |
|---|---|
| **Credential Opportunity:** | College Credit (with AP Test) |
| **Prerequisites:** | AP Placement Criteria |
| **Scheduling Summary:** | F2F - Weekend 1xWeek |
| **Semester:** | Yearlong |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Saturday 8am - Noon |
| **Location:** | Classical High School |
| **Provider-Suggested Sched Code:** | 03106 |

## AP Environmental Science

*Provider: West Bay Collaborative*

**Category:** Advanced Placement - Science
**Description:** The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

**Credential Opportunity:** College Credit (with AP Test)
**Prerequisites:** AP Placement Criteria
**Scheduling Summary:** Virtual - Synchronous, Evenings, 2xWeek
**Semester:** Yearlong
**Middle School Eligible:** Yes
**Day of Week / Time:** Mon/Wed or Tues/Thurs /7pm - 8pm
**Location:** Online with F2F Sessions in Warwick by Appt
**Provider-Suggested Sched Code:** 03207

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## AP Physics

*Provider: Times2Academy*

**Category:** Advanced Placement - Science
**Description:** AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. AP Physics 2 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics.

**Credential Opportunity:** College Credit (with AP Test)
**Prerequisites:** AP Placement Criteria
**Scheduling Summary:** F2F - Weekend 1xWeek
**Semester:** Yearlong
**Middle School Eligible:** No
**Day of Week / Time:** Saturday 8:00am - Noon
**Location:** Times2 Academy, Providence
**Provider-Suggested Sched Code:** 03165

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## AP Statistics

**Category:** Advanced Placement - Mathematics
**Description:** The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

*Provider: Providence Public School District*

**Credential Opportunity:** College Credit (with AP Test)
**Prerequisites:** AP Placement Criteria
**Scheduling Summary:** F2F - Weekend 1xWeek
**Semester:** Yearlong
**Middle School Eligible:** No
**Day of Week / Time:** Saturday /8am - Noon
**Location:** Classical High School
**Provider-Suggested Sched Code:** 02203

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## AP Statistics

**Category:** Advanced Placement - Mathematics
**Description:** The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

*Provider: West Bay Collaborative*

**Credential Opportunity:** College Credit (with AP Test)
**Prerequisites:** AP Placement Criteria
**Scheduling Summary:** Virtual - Synchronous, Evenings, 2xWeek
**Semester:** Yearlong
**Middle School Eligible:** Yes
**Day of Week / Time:** Mon/Wed or Tues/Thurs /7pm - 8pm
**Location:** Online with F2F Sessions in Warwick by Appt
**Provider-Suggested Sched Code:** 02203

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## WORLD LANGUAGES

### AP Spanish Language and Culture

**Category:** Advanced Placement - World Languages & Cultures

*Provider: Providence Public School District*

**Description:** The AP Spanish Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Spanish Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Spanish. The AP Spanish Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music , laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

**Credential Opportunity:** College Credit (with AP Test)
**Prerequisites:** Spanish III or AP Placement Criteria
**Scheduling Summary:** F2F - Weekend 1xWeek
**Semester:** Yearlong
**Middle School Eligible:** No
**Day of Week / Time:** Saturday /8am - Noon
**Location:** Classical High School
**Provider-Suggested Sched Code:** 06112

## VISUAL & PERFORMING ARTS

### AP Art History

*Provider: West Bay Collaborative*

**Category:** Advanced Placement - Arts
**Description:** The AP Art History course is equivalent to a two-semester introductory college course that explores the nature of art, art-making, and responses to art. By investigating specific course content of 250 works of art characterized by diverse artistic traditions from prehistory to the present, the course fosters in-depth, holistic understanding of the history of art from a global perspective. Students become active participants in the global art world, engaging with its forms and content. They experience research, discuss, read and write about art, artists, art-making, responses to and interpretations of art.

| | |
|---|---|
| **Credential Opportunity:** | College Credit (with AP Test) |
| **Prerequisites:** | AP Placement Criteria |
| **Scheduling Summary:** | Virtual - Synchronous, Evenings, 2xWeek |
| **Semester:** | Yearlong |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs / 7pm - 8pm |
| **Location:** | Online with F2F Sessions in Warwick by Appt |
| **Provider-Suggested Sched Code:** | 05153 |

## HISTORY & SOCIAL STUDIES

### AP Psychology

*Provider: Times2Academy*

**Category:** Advanced Placement - History & Social Sciences
**Description:** AP Psychology introduces students to the systematic and scientific study of the behavior and mental processes of human beings and other animals, exposes students to each major subfield within psychology, and enables students to examine the methods that psychologists use in their science and practice.

| | |
|---|---|
| **Credential Opportunity:** | College Credit (with AP Test) |
| **Prerequisites:** | AP Placement Criteria |
| **Scheduling Summary:** | F2F - Weekend 1xWeek |
| **Semester:** | Yearlong |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Saturday 8:00am - Noon |
| **Location:** | Times2 Academy, Providence |
| **Provider-Suggested Sched Code:** | 04256 |

# CAREER PREPARATION

## SCIENCE, ENGINEERING & TECHNOLOGY

### 3D Modeling and Digital Manufacturing

*Provider: Fab Newport*

**Category:** Career Preparation - Engineering & Technology
**Description:** 3D Modeling and Digital Manufacturing is an introductory career readiness course, preparing students to work in advanced manufacturing and rapid prototyping. The course is process oriented; student work focuses on designing and completing projects with personal relevance and community impact. It is an integrated curriculum combing a variety of subjects (see below) and driven by student inquiry and experiential learning. The course combines soft skill development (problem solving, curiosity, initiative, communication, collaboration, communication), technical skills, design and manufacturing techniques, and purpose-driven project-based pedagogy to build a career readiness foundation for students.

**Credential Opportunity:** Autodesk Certified User
**Prerequisites:** None
**Scheduling Summary:** F2F - School Day – One Day a Week OR Two days a week
**Semester:** Yearlong
**Middle School Eligible:** No
**Day of Week / Time:** Friday: 10-2 (meet once a week)
Tuesday and Thursday: 12:30-2:30 (meets twice a week)
**Location:** 1 York Street, Newport RI
**Provider-Suggested Sched Code:** 21010

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### Music Stations

*Provider: Astro Curricular*

**Category:** Career Preparation – Engineering & Technology
**Description:** Students complete the course with an understanding of the software and hardware used in modern music production.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 2xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Mon/Wed or Tues/Thurs /4pm - 6pm
**Location:** 640 Broad St., Providence RI
**Provider-Suggested Sched Code:** 05123

## Intro to Pharmacy

*Provider: RiverzEdge*

**Category:** Career Preparation - Science

**Description:** In today's world, the role of a pharmacist is rapidly changing. In addition to preparing and dispensing medicine, pharmacists increasingly take the lead on problem-solving health-epidemics, and on direct patient care. If you are interested in a future career as a pharmacist (or in biomedical science, immunology research, etc.), exposure to the factors covered in this course will more than prepare you for your next steps. You will conduct lab experiments, predict the effects of drug interactions on a robotic "dummy" and explore other fascinating topics with University of Rhode Island Professors, students and practitioners. Learn the basics in the state-of-the-art URI School of Pharmacy and gardens, visit important local companies like CVS and Amgen,and make important connections for your future career.

| | |
|---|---|
| **Credential Opportunity:** | N/A |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 1xWeek |
| **Semester:** | Yearlong |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tuesday /3:30pm - 5:30pm |
| **Location:** | URI School of Pharmacy |
| **Provider-Suggested Sched Code:** | 14299 |

## ADDITIONAL OPPORTUNITIES

### Applied Career Investigations I

*Provider: RiverzEdge*

**Category:** Career Preparation - Additional Opportunities
**Description:** Think you want to be a doctor, game designer or community planner? Find out what it's like and what it's going to take to get there in CI I & II. Work with a small group of peers, and your Industry Mentor, to create unique original work products that separate you from the pack. Individualized career boosting support, and investigation of all RI has to offer in workforce development, and your field of choice, followed by live worksite experiences, enable unusually deep exploration. By the end of the year, you will know for sure if this is the career for you, and exactly how to pursue it.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Monday /2:30pm - 4:30pm
**Location:** Woonsocket
**Provider-Suggested Sched Code:** 22997

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### Applied Career Investigations I

*Provider: RiverzEdge*

**Category:** Career Preparation - Additional Opportunities
**Description:** Think you want to be a doctor, game designer or community planner? Find out what it's like and what it's going to take to get there in CI I & II. Work with a small group of peers, and your Industry Mentor, to create unique original work products that separate you from the pack. Individualized career boosting support, and investigation of all RI has to offer in workforce development, and your field of choice, followed by live worksite experiences, enable unusually deep exploration. By the end of the year, you will know for sure if this is the career for you, and exactly how to pursue it.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Tuesday /3pm - 5pm
**Location:** Warwick
**Provider-Suggested Sched Code:** 22997

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# ADVANCED SECONDARY COURSES

## SCIENCE, ENGINEERING & TECHNOLOGY

### Brandaris Maritime: Rocketry & Physics of Flight

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - Engineering & Technology
**Description:** This program challenges students to explore the four basic principles of flight: Thrust, Drag, Mass and Lift. This is done through the design and build of various flying devices from paper airplanes and "walk along "gliders to pneumatically launched rockets. The opportunity to practice the skills associated with PASA's Graduate Profile are infused in this program offering. The" Rocketry- Physics of Flight" program utilizes lessons from the NASA Educators Guide and Model Rocketry: A STEM Based Curriculum.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 2xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Mon/Wed 3:30pm - 5pm
**Location:** Juanita Sanchez Education Complex.
**Provider-Suggested Sched Code:** 21055

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### Center for Dynamic Learning: Intro to Mechanical Fabrication

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - Engineering & Technology
**Description:** This course, designed and taught by quality STEAMM Educators at the Center for Dynamic Learning, imparts students with an introduction of mechanical technology. Successful completion of the course will provide the student with the benefits, limitations, and applications of different machine tools and environmentally friendly engineering materials for product manufacturing and fabrication. Students will study wood, plastic, and metal working.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 2xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Tues/Thurs 3:30pm - 5pm
**Location:** 1 Louisa Street in Providence.
**Provider-Suggested Sched Code:** 21106

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## Chrysalis App Design

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - Engineering & Technology
**Description:** Danielle Bessler Foundation: Chrysalis: is a program designed by the Danielle Bessler Foundation for women of high-school age to design and build websites and mobile apps in a supportive atmosphere that encourages creativity & economic self-sufficiency. Students learn principles of coding and computology using state of the art technology, tools & app design techniques.

| | |
|---|---|
| **Credential Opportunity:** | N/A |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Tues/Thurs 3:30pm - 5pm |
| **Location:** | Central High School |
| **Provider-Suggested Sched Code:** | 10004 |

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## DownCity Designers

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - Engineering & Technology
**Description:** Students will work with DownCity Design educators to design a new structure to improve a school or public space in Providence, then they'll learn to use power tools to build their vision. This is a great class for anyone interested in architecture, design, or construction. No construction skills are necessary.

| | |
|---|---|
| **Credential Opportunity:** | N/A |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Wed 3:30pm - 5pm |
| **Location:** | 425 West Fountain St. in Providence. |
| **Provider-Suggested Sched Code:** | 17997 |

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## Principles of Design (ACE FabLab)

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - Engineering & Technology
**Description:** In collaboration with DownCity Design and Brandaris Maritime, students will explore principles ofdesign, mechanics of materials, applied physics, use of tools, personal protective equipment, computer-aided design techniques, rapid prototyping, and the emerging advanced and additive manufacturing and construction industries. Students will design and build projects that fulfill an identified community need.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 2xWeek
**Semester:** Yearlong
**Middle School Eligible:** No
**Day of Week / Time:** Tues/Thurs 3:30pm - 5pm
**Location:** Academy for Career Exploration
**Provider-Suggested Sched Code:** 21053

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## PPL/ACE Computer Science Teen Squad

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - Engineering & Technology
**Description:** In collaboration with the Providence Public Library (PPL), you will apply real-world computer science by creating a personalized "Then and Now" Web profile on a Rhode Island - related topic of interest that you choose. You will get access to PPL's non-circulating Special Collections materials to conduct your research. Through your project, you will get an introduction to the concepts of digital humanities, public history and the collection/creation of new historical resources. The project will culminate with a student created digital exhibit on the PPL webpage.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 2xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Mon/Wed 3:30pm - 5pm
**Location:** Academy for Career Exploration
**Provider-Suggested Sched Code:** 10002

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## Community Boating Center: Sailing Through Science

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - Science
**Description:** Combining on the water sailing with ten "Reach Initiative" STEM curriculum modules, students will learn not only how to sail, but how a sailboat works! In this program students will sail on 22 foot sailboats and spend classroom time learning about the factors which make sailing possible including wind, buoyancy, sail area and perimeter, and simple machines. They will also study the Rhode Island's waterfront environment by testing water quality, and learning about marine debris. More advanced concepts of land and sea breezes, wind power, and underwater exploration round out the course.
**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 2xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Mon/Fri 3:30pm - 5pm
**Location:** at Juanita Sanchez Education Complex and will transition to the Boating Center located at 109 India Street in Providence
**Provider-Suggested Sched Code:** 03162

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## Global Warming - Climate Change & the New Weather

*Provider: RiverzEdge*

**Category:** Advanced Secondary Credit - Science
**Description:** Learn how global warming is changing the earth's climatic conditions and how the changing climate is creating more extreme weather events here and everywhere else. In studying global warming, you will gain comprehensive knowledge and understanding of carbon cycles, water cycles and the macro forces that shape regional and global weather. Hands-on experiments, habitat observation, “science behind the movie” viewing, interviews with local experts/multiple POVs, independent investigations and production of learnings and work -- as video, physical or virtual models, Power-Points, or your own invention -- will help you better understand one of the critical issues of our time!
**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Mon/Wed 4pm - 6pm
**Location:** Riverzedge Green Design Lab, Woonsocket
**Provider-Suggested Sched Code:** 03007

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## Global Warming - Climate Change & the New Weather

*Provider: RiverzEdge*

**Category:** Advanced Secondary Credit - Science
**Description:** Learn how global warming is changing the earth's climatic conditions and how the changing climate is creating more extreme weather events here and everywhere else. In studying global warming, you will gain comprehensive knowledge and understanding of carbon cycles, water cycles and the macro forces that shape regional and global eather. Hands-on experiments, habitat observation, "science behind the movie" viewing, interviews with local experts/multiple POVs, independent investigations and production of learnings and work -- as video, physical or virtual models, Power-Points, or your own invention -- will help you better understand one of the critical issues of our time!

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Friday 2pm - 6pm
**Location:** Pawtucket
**Provider-Suggested Sched Code:** 03007

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## Oceanography

*Provider: West Bay Collaborative*

**Category:** Advanced Secondary Credit - Science
**Description:** This course will clearly present the relationships of scientific principles to ocean phenomena in an engaging and meaningful way. It will include highly visual and interactive tools make oceanography approachable, enabling students to see oceanographic processes in action.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** Virtual - Synchronous, Evenings, 2xWeek
**Semester:** Yearlong
**Middle School Eligible:** Yes
**Day of Week / Time:** Mon/Wed or Tues/Thurs /7pm - 8pm
**Location:** Online with F2F Sessions in Warwick by Appt
**Provider-Suggested Sched Code:** 03005

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## Topics in Public Health/Advocacy

*Provider: RiverzEdge*

**Category:** Advanced Secondary Credit - Science
**Description:** Public Health and Advocacy offers everything you wanted to know about health and much more! Through the shared expertise and experiences of practicing pediatricians, EMTs and clinicians at the forefront of community medicine, you will engage in eye-opening sessions about the most important public health issues of our times. Sessions explore Nutrition, Physical Fitness, Sexuality, Mental Health, Health Careers and others, with ample opportunity to explore how they relate your lives, neighborhoods, cities and regions. Field exploration and independent research more prepare you to become a leading voice now, and health practitioner in your future career. Make a difference, improve a life!

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Afterschool 1xWeek
**Semester:** Yearlong
**Middle School Eligible:** No
**Day of Week / Time:** Wednesday 3:30pm - 5:30pm
**Location:** Brown University, School of Public Health
**Provider-Suggested Sched Code:** 08051

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## Prevention and Care of Athletics

*Provider: Times2Academy*

**Category:** Advanced Secondary Credit - Science
**Description:** Students acquire a basic understanding of sports medicine. Topics include preventative techniques, protective strapping, basic anatomy, injury rcognition and rehabilitatio of athletic injuries.

**Credential Opportunity:** N/A
**Prerequisites:** None
**Scheduling Summary:** F2F - Weekend 1xWeek
**Semester:** Fall 2016
**Middle School Eligible:** No
**Day of Week / Time:** Saturday 8:00am - Noon
**Location:** Times2 Academy, Providence
**Provider-Suggested Sched Code:** 08017

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## ENGLISH LANGUAGE & COMPOSITION

### Storytelling, Leadership and Change

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - English Language & Composition
**Description:** Youth in Action: Storytelling, Leadership and Change: Youth dive into workshops twice a week during the school year exploring skills such as public speaking, cooperation, empathy, facilitation, and storytelling. Above all, youth learn how to build relationships, both with adults and their peers

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| **Credential Opportunity:** | N/A |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Wednesday &Thursday 4:00 pm -6:00 pm |
| **Location:** | Youth In Action, Providence |
| **Provider-Suggested Sched Code:** | 22101 |

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### Young Voices Leadership Transformation Academy

*Provider: Providence After School Alliance*

**Category:** Advanced Secondary Credit - English Language & Composition
**Description:** Instructors will meet with the students twice a week, providing advanced leadership training in the development of oral and written communication skills, how to analyze policy issues related to high school education, and the art of dialogue and debate. Each student will also receive additional training in critical thinking and the development of the skills necessary to participate in meetings with the school principals, district and city officials and state representatives.

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| **Credential Opportunity:** | N/A |
| **Prerequisites:** | None |
| **Scheduling Summary:** | F2F - Afterschool 2xWeek |
| **Semester:** | Fall 2016 |
| **Middle School Eligible:** | No |
| **Day of Week / Time:** | Mon/Thurs 3:30pm - 5:30pm |
| **Location:** | 300 Weybosset St, Providence |
| **Provider-Suggested Sched Code:** | 22101 |

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## WORLD LANGUAGES

### Mandarin Chinese

*Provider: West Bay Collaborative*

**Category:** Advanced Secondary Credit - World Languages & Cultures
**Description:** This course will utilize Chinese Link. Chinese Link provides and enjoyable, practical, learner-entered language and cultural experience for beginning students. The communicative focus develops competency in listening, speaking, reading and writing the Chinese language. Chinese Link integrates the"5 Cs" principal- Communication, Cultures, Comparisons, Connections and Communities - throughout the program in order to provide a new approach for teaching and learning the Chinese language in the 21" Century.

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| **Credential Opportunity:** | N/A |
| **Prerequisites:** | None |
| **Scheduling Summary:** | Virtual - Synchronous, Evenings, 2xWeek |
| **Semester:** | Yearlong |
| **Middle School Eligible:** | Yes |
| **Day of Week / Time:** | Mon/Wed or Tues/Thurs 7pm - 8pm |
| **Location:** | Online with F2F Sessions in Warwick by Appt |
| **Provider-Suggested Sched Code:** | 06301 |

# END OF CATALOG

**Learn more at**
**www.ride.ri.gov/advancedcoursework**

**For questions or comments about the Advanced Coursework Network, email**
**advancedcoursework@ride.ri.gov**

RIDE Rhode Island Department of Education