Teaching and Learning with Technology Graduate Cluster Open House

Wednesday, December 2, 2020

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Teaching and Learning with Technology and STEAM

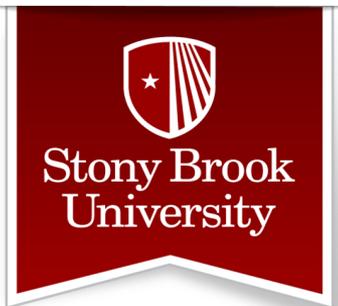**Teaching and Learning with Technology**

2 Graduate Courses

EDT 544 - Empowering All Learners Through Educational Technology

EDT 541 - Digital Wellness and Education

Teaching and Learning Graduate Cluster - 6 Credits

This program is designed to create innovative digitally fluent teachers. You will learn how to leverage technology and integrate design thinking into your instructional practice.

The two courses will provide a foundational knowledge of digital learning pedagogy and technology tools that will empower all learners.

STEAM Education

3 Graduate Courses
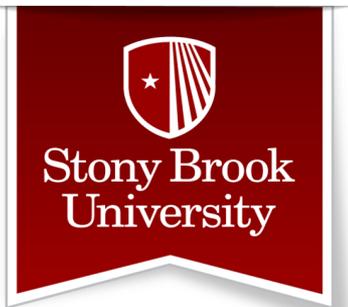
EDT 531 – STEAM Education: Foundations

EDT 532 – STEAM Education: Educational Best Practices

EDT 533 – STEAM Education: Curriculum Integration

STEAM Education Graduate Cluster - 9 Credits

This program is designed to create innovative digitally fluent teachers. You will learn how to leverage technology and integrate STEAM pedagogy into your instructional practice.

The three courses will provide a foundational knowledge of STEAM Education foundations, educational best practices, and curriculum integration that will empower all learners.

5 Graduate Courses

EDT 544 – Empowering All Learners Through Educational Technology

EDT 541 – Digital Wellness and Education

EDT 531 – STEAM Education: Foundations

EDT 532 – STEAM Education: Educational Best Practices

EDT 533 – STEAM Education: Curriculum Integration

Teaching and Learning with Technology and STEAM Education Graduate Cluster - 15 Credits

This program is designed to create innovative digitally fluent teachers. You will learn how to leverage technology while integrating design thinking and STEAM pedagogy into your instructional practice.

The five courses will provide a foundational knowledge of digital learning pedagogy and technology tools as well as STEAM Education foundations, educational best practices, and curriculum integration that will empower all learners.

Program Information

- Tuition
  - $1195 + $50 TC administrative fee = $1245 per course

- Fully Online model of instruction
  - Courses can be offered face-to-face, hybrid, or fully online

- Virtual meetings through Zoom throughout the course to stay connected and enhance student learning
  - Asynchronous online courses with synchronous components.

- A program sensitive to the needs of K-12 Educators

Program Highlights

- Experience these classes with your peers and colleagues
- Courses are taught by experienced K-12 Teachers and professors specializing in educational technology
- A hands-on, practical approach to learning
- Projects and assignments designed to allow teachers to bring new ideas directly into the classroom
- Students taking this cohort will receive credits from Stony Brook University, and also have access to some university services and privileges

Teaching and Learning with Technology

EDT 544 - Empowering All Learners Through Educational Technology

Learn how to integrate educational technology tools and applications, explore instructional best practices, methods, and strategies that will support the needs of diverse student populations. Participants will plan, design and deliver a teacher centered educational technology workshop focused on leveraging technology to enhance curriculum and engage all student groups including special needs, ELLs (English Language Learners), at-risk students and gifted and talented students. By the end of the course, participants will be able to fully understand how to harness the power of technology and engage all learners, so they reach their highest potential.

EDT 541 - Digital Wellness and Education

In this course, students will take a step back and look at how technology affects our overall wellness and state of mind. Technology drives our every move in this fast paced society. Everywhere you look, our youth is connected to a device and has access to unlimited information. This course explores the use of technology among the younger generation and examines the impact emotionally and physically. Students will research policy and practices to help create a life, technology balance and show educators how to develop techniques to help students become more mindful and well rounded in this technology saturated living environment. By the end of this course, students will have developed multiple techniques and strategies essential for balancing wellness, mindfulness, and technology into K-12 classroom curriculum.

STEAM Education

EDT 531 – STEAM Education: Foundations

In this course participants will learn about STEAM principles, concepts and skills for Science, Technology, Engineering, Art and Math education. Participants will begin to explore the use of STEAM tools within the curriculum and examine the research behind STEAM pedagogy. Participants will look at different fields and areas of business and industry to see how STEAM skills are being applied to real world situations, career and fields. The culminating activity for this course is to analyze a field which relies heavily on STEAM skills and adapt an activity to the classroom that prepares students for these challenges. This course includes online flexible synchronous meetings.

STEAM Education

EDT 532 – STEAM Education: Educational Best Practices

In this course participants will begin to utilize STEAM tools and apply them within their own educational environment. They will adapt existing lessons and activities to reflect STEAM tools, principles and ideologies, developing a strong understanding of STEAM pedagogy with instructional practice. Participants will explore web based STEAM tools for education and understand how to apply those tools to their classroom. This course includes online flexible synchronous meetings.

EDT 533 – STEAM Education: Curriculum Integration

In this course participants will learn how to fully integrate STEAM tools and leverage best practices into their curriculum. Participants will develop an extensive integration plan for a specific learning environment and associated curriculum. Participants will align STEAM best practices, pedagogy, 21st century skills and their own research to develop an integration plan that outlines a cohesive STEAM learning experience. The culmination of this course and program will be the delivery of part of this integration plan in their educational environment and presentation of the overall integration plan to peers. This course includes online flexible synchronous meetings.

Applicant Requirements

- Bachelor's or Master's Degree
  - Submit unofficial or official transcripts depending on program
- Valid teaching Certification recommended
- Completed Application on Apply Yourself
  - Short application questionnaire
  - $25 application fee
- Deadline for the Spring II semester is January 1.

Application instructions:

Step 1: Go to the following website:
https://www.stonybrook.edu/commcms/spd/admissions/nonmatriculated.php

Step 2: From the above link, please make the below section – "Apply to the SPD Cohort"

SPD'S NON-MATRICULATED COHORT STUDENTS

Prospective students who are applying to take courses in one of SPD's off-campus cohorts (e.g., those that meet at a Teachers Center or as part of our St. John's articulation agreement), apply through the School of Professional Development, not the Graduate School.

All applicants must upload a copy of the transcript reflecting conferral of a bachelor's degree, with a minimum cumulative grade point average of 2.5. (Note: Applicants applying as a part of the EdD articulation agreement must upload a copy of their transcript reflecting conferral of a master's degree.)

There is a nonrefundable $25 application fee .

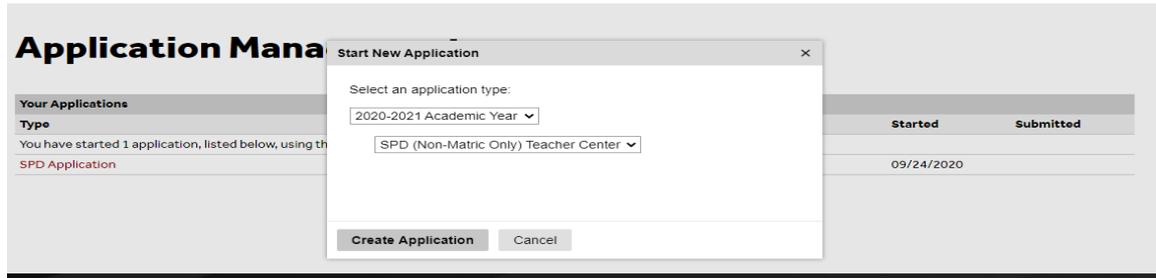*Deadlines for Non-matriculated Teacher Center Cohort Students*

- Fall: August 15
- Spring: January 1
- Summer: May 15
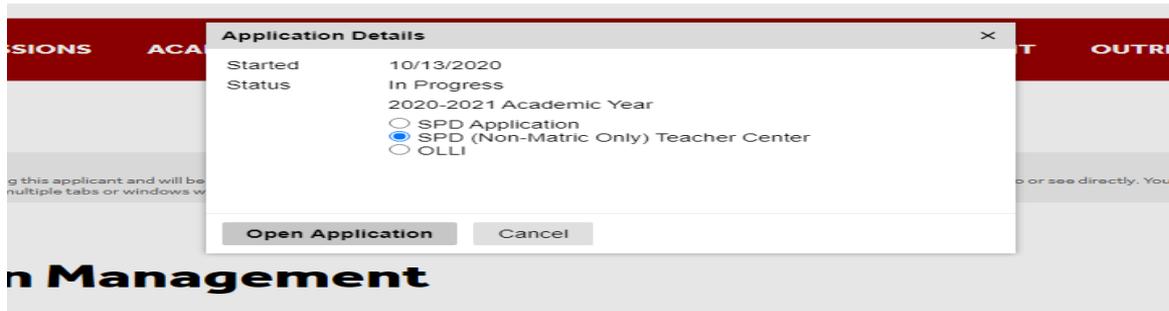
APPLY TO THE SPD COHORT >

Stony Brook University/SUNY is an affirmative action, equal opportunity educator and employer. Stony Brook University is 100 percent tobacco-free.

When starting an application, the first prompt an applicant will see is "Select an application type". This should only be populated as the current application cycle year (in this case, 2020 - 2021 Academic Year).

When that option is selected, a new dropdown box will appear, with options for a particular application type. For Educational Technology applicants, they should select "SPD (Non-Matric Only) Teacher Center".

After clicking "Create Application", the following screen will appear:

After opening the application, applicants will work through the first few pages covering basic biographical information. When they get to the **Admission Information**, they will see the following:

Admission Information

Intended Program

Non-Matriculated Study - Teacher Center Cohort (NOT Ed. Leadership) ▼

Intended Cohort

Education Technology Curriculum Design Badge ▼

Intended Cohort Location

▼

Intended Entry Term

▼

If you do not see the term for which you intend to apply, either the deadline date to apply for admissio

not yet available. Please note the application deadline dates for each program on the program's page

Have you previously applied to or attended SBU (ie Undergraduate, Graduate School, SPD, HSC,
○ Yes
○ No

For intended program, these applicants should select "Non-Matriculated Study - Teacher Center Cohort (NOT Ed. Leadership). This will produce a new dropdown box. There are a few options to select from, but applicants in this scenario should select "Educational Technology Curriculum Design Badge", or "STEAM Education", depending on whichever is appropriate. Applicants should then select whichever cohort location is applicable.

Questions and Next Steps

- Look out for the registration email from the Peconic Teacher Center with instructions to reserve your seat (first come, first served)

- Complete the Stony Brook University Non-matriculated application by January 1

- Get Accepted by the middle of January

- If enough students apply/are accepted, class starts in the Spring II – 3/23/2021 – 6/1/2021

Contact Information

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