545: SCIENCE, TECHNOLOGY, AND SOCIETY CERTIFICATE

In Workflow
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Approval Path
1. Mon, 28 Jun 2021 19:01:54 GMT
   Suzanne Ashour-Bailey (sash1): Approved for ENGR PCC Chair
2. Tue, 29 Jun 2021 17:41:47 GMT
   Ken Kiger (kkiger): Approved for ENGR Dean
3. Fri, 27 Aug 2021 19:45:07 GMT
   Michael Colson (mcolson): Approved for Academic Affairs Curriculum Manager
4. Fri, 03 Sep 2021 14:52:20 GMT
   Valerie Orlando (vorlando): Approved for Senate PCC Chair

History
1. Oct 18, 2019 by William Bryan (wbryan)

Program Inactivation Proposal
Date Submitted: Mon, 24 May 2021 17:20:09 GMT

Viewing: 545 : Science, Technology, and Society Certificate
Last approved: Fri, 18 Oct 2019 19:32:19 GMT
Last edit: Mon, 24 May 2021 17:20:07 GMT
Changes proposed by: David Tomblin (dtomblin)

Final Catalog
2020-2021

Suspension or Discontinue
DISC

Explain the reason for discontinuing the program.
A new minor, Science, Technology, Ethics and Policy, will fulfill the same functions as the STS certificate, plus allow for broader participation.

Indicate how many students are currently in the program. How will these students be accommodated so that they can finish the program?
0 - I stopped taking students in Fall 2020 in anticipation that the STEP minor would replace it. All students that were in the certificate program have completed it.

Program Name
Science, Technology, and Society Certificate

Program Status
Active

Effective Term
Spring 2021
Catalog Year
2020-2021

Program Level
Undergraduate Program

Program Type
Undergraduate Certificate

Delivery Method
On Campus

Departments
Department
The A. James Clark School of Engineering

Colleges
College
The A. James Clark School of Engineering

Program/Major Code
92003

MHEC Inventory Program
Science, Technology, and Society

CIP Code
309999 - Multi-/Interdisciplinary Studies, Other.

HEGIS
499908

Degree(s) Awarded
Degree Awarded
Certificate, Upper Division

Program and Catalog Information

Provide the catalog description of the proposed program. As part of the description, please indicate any areas of concentration or specializations that will be offered.

The undergraduate University Certificate program in Science, Technology, and Society (STS) enables students to learn about the dynamic, interactive and creative relationships among science, technology, and society. This 21-credit program helps structure a student’s general education and elective requirements into a unifying theme. The end product of the program is a research project of the student’s own choosing, which is developed under faculty mentorship. The STS University Certificate is especially helpful to students who are seeking jobs that require understanding policy decisions as they relate to scientific and engineering endeavors, those students hoping to seek a graduate degree that integrates science, technology, and policy, or students simply interested in developing a greater understanding of social issues related to science and technology.

STS is an interdisciplinary field that has been taught for more than 30 years at universities in the United States and Europe, notably in those with strong engineering and public policy programs. In recent years, STS University Certificate students have chosen to write their capstone term papers about timely topics, including the interactions among science, technology and society related to nanotechnology, fuel cell applications, physics research funding, climate change modeling, religious principles as a basis for climate action, integration of SONAR into underwater vehicles, nuclear power in developing countries, and interpersonal impacts of social networking.

Catalog Program Requirements:

The STS program requires 9 credits of Lower Level (100-200) and 9 credits of Upper Level courses (300-400) and the ENES440. Students must obtain prior approval of the director before counting courses toward their individualized STS curriculum. Many of these credits may overlap with major and minor requirements. For guidance, see the website for a list of approved courses, and note that students may ask the director to approve a course not listed on the website.
### New Program Information

#### Mission and Purpose

#### Program Characteristics

#### Faculty and Organization

#### Resource Needs and Sources

Reviewer Comments

Michael Colson (mcolson) (Thu, 01 Jul 2021 17:48:31 GMT): PCC Log Number 21005

Key: 545