SUSTAINABLE TRANSPORTATION
SYSTEMS AND PLANNING CGS

All students must meet the Requirements for the Certificates of Graduate Study

OVERVIEW

Transportation is a transdisciplinary field of study that broadly examines the movement of people and goods over space as well as the economic, public health, environmental, and social impacts of those systems.

Local, regional, and global transportation systems are vital to building community, the economy, and quality of life. Transportation designs, programs, and policies impact the environment, energy, culture, equitable mobility between regions and groups, as well as quality of life. Critical transportation system issues and problems in the 21st century will require interdisciplinary teams to design innovative solutions. The overall goal of certificate is to establish a baseline of transportation system knowledge and to develop advanced critical thinking around interdisciplinary partnerships addressing problems in planning for transportation and mobility.

The academic merit of the STSP Certificate is multifaceted. It includes the development of technical knowledge of transportation and mobility systems as well as research skills, academic writing, direct experience with transdisciplinary work and the development of a scholarly and practitioner-based student cohort around transportation research.

There are three important outcomes of the study and application of sustainable transportation systems: (1) Knowledge; wherein we employ original data gathering, analysis and modeling to gain fundamental insights regarding how humans make travel decisions and how transportation systems function, (2) Innovative Solutions; wherein we explore how combinations of policy, education, design and technology intersect to advance new or improved systems of mobility and access, and (3) Informed Decision-Making; wherein we provide transportation research results, education and outreach to inform the development of sustainable transportation policies.

SPECIFIC REQUIREMENTS

Requirements for Admission to Graduate Studies for the Certificate of Graduate Study

Admission to the graduate college and approval by the TRC Graduate Coordinator.

Minimum Degree Requirements

The Certificate of Graduate Study in Sustainable Transportation Systems and Planning requires fifteen graduate credits distributed as follows:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>TRC 312</td>
<td>Sustainability &amp; Transportatn</td>
<td>3</td>
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<tr>
<td>TRC 314</td>
<td>Risk/Behavior in Transportatn</td>
<td>3</td>
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<tr>
<td>TRC 316</td>
<td>Land Use Policy &amp; Economics</td>
<td>3</td>
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<td>Two additional courses (six credits total) selected from a list of electives approved by the TRC GraduateCoordinator</td>
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1 Credits for TRC 312 and TRC 314 may be earned either in conjunction with or independent of a UVM graduate degree program.

Additional information on the Certificate of Sustainable Transportation Systems and Planning is available from the CGS in Sustainable Transportation Systems and Planning website.