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More information, including curriculum details can be found at www.vtc.edu/SDT.

This new 2+2 Bachelor's of Science program begins in the Fall of 2007*. Is this the bachelor's degree for you?

(*Subject to approval.)

SDT Mission Statement:

The Sustainable Design & Technology degree allows students to pursue one of three concentrations: Green Buildings; Green Energy; or Green Sites. What does 'green' mean? Green means energy-conserving, renewable and environmentally friendly. Green concentrations are unified by a philosophy of sustainability that seeks to apply technology creatively to reduce our impact on dwindling resources, to help individuals and businesses thrive and comply with environmental regulations, to grow new green businesses and expand Vermont's emerging 'Green Valley' economy.

What is 'sustainable' technology?

'Quite simply, sustainability means living within the earth's limits. It means living in a world where feeding people does not necessitate polluting groundwater and coastal shorelines. Where transporting people and goods does not mean polluting our air and changing our climate. Where heating our homes and powering our industries does not require vast amounts of polluting fossil fuels. Sustainability means doing things better - not doing without' (David Suzuki). Sustainable technology is an old concept whose time has come again. It's the practical, common sense application of technology to solve everyday problems in a sustainable, environmentally friendly manner. We need to use sustainable technologies to work towards energy independence and economic self-sufficiency while preserving our environment.

Degree Offered

This program offers a +2 Bachelor's of Science to students who have graduated from, or are currently enrolled in, a technical associate's degree program at Vermont Tech or other institutions.

Enrollment Information

Students with technical associate's degrees, and those interested in beginning their education at Vermont Tech, may apply to this program. Related associate's degree programs at Vermont Tech include Architectural and Building Engineering Technology, Mechanical Engineering Technology, Electrical Engineering Technology, Civil and Environmental Engineering Technology, Dairy Farm Management Technology, and Landscape Development and Ornamental Horticulture. Transfer students from related programs at two- and four-year colleges and non-traditional students interested in career change are strongly encouraged to apply.

Prospective students should contact **SDT program faculty**.



Program Summary and Goals

Sustainable Design & Technology is a cross-disciplinary program grounded in the belief that students who understand the fundamentals of technology, business, and the regulations that govern both can be effective agents for sustainable change. The program seeks to create graduates who both use and steward our natural resources, and provide businesses with a blend of technical, project management and communication skills.



Curriculum

The program's **first year** uses a team approach to problems solving, bringing together teams of students from different technical backgrounds. The curriculum balances technical skills with a sustainable perspective, and business, and interpersonal skills. **Summer internships** pair students with companies and institutions using or considering green technologies. **Senior projects** solicit problems and projects from the college and larger community. Students work in cross-disciplinary teams to research, evaluate and implement solutions.

Career Opportunities

Program graduates may have a specific technical associate's degree, in addition to the SDT bachelor's degree, and will possess a rare blend of technical skills

and education that serves as the foundation for critical thinking, problem solving, and project management on issues related to natural and technical resources, energy production, consumption, and efficiency, environmental impact; and economic viability. Graduates will pursue a wide range of career opportunities based on their technical backgrounds, work experience and internship experiences.

- Permitting specialists
- Project managers
- Town & regional planners
- Zoning administrators
- Employees or consultants for architectural & engineering firms
- Facilities management teams
- Energy consultants & technicians
- Building commissioners

For non-traditional and working students entering the program with work experience, this bachelor's degree affords greater opportunity for career advancement with the skill needed to succeed in business environments.



Graduates will be prepared to pursue additional post-baccalaureate education in business environmental law studies, or various technical fields.

Got questions? Want to know more?

FAQs, detailed curriculum & program information, related campus projects and employment partners can be found at www.vtc.edu/SDT.