



**Associate in Applied Science-Transfer
Environmental Technologies and Sustainable Practices- Technology Emphasis
105 credits**

The associate in applied science (AAS) degree is a technical in environmental technologies and sustainable practices provides an emphasis on either business or technology while covering both the practical and scientific basis for measuring, monitoring, and recommending actions to reduce and innovate energy use and applications in commercial settings.

The renewable energy industry is a rapidly emerging field that promises a more environmentally sensitive, globally conscientious way of life for everyone on our planet. Governments and businesses in this state and around the world are clamoring for professionals who can “pioneer innovative pathways” in this relatively uncharted territory. In this exciting time, our world is redesigning how we consume energy; students in this program will have the chance to be a part of that as professional practitioners as well as in roles as informed consumers and political citizens.

Upon successful completion of this degree a student will be able to:

- Understand patterns and make connections among different disciplines and schools of knowledge and to integrate studies with personal experience
- Learn actively and gain comprehensive understanding; to think critically, creatively, and reflectively in order to solve problems; to communicate with clarity and originality for personal growth and productive work; and to interact in diverse and complex environments and complicated, dynamic, and ambiguous situations
- Address savings and spending using terms and tools applicable in the commercial arena
- Design and execute environmentally sensitive and sustainable practices

SUGGESTED PREREQUISITES *PREREQUISITE CREDITS DO NOT APPLY TOWARD DEGREE*

Course ID	Course Name	Lec	Lab	Other	Credits
BIT 154	Beginning Word Processing		22		1.0
BIT 156	Beginning Spreadsheet		22		1.0
BIT 163	Beginning PowerPoint		22		1.0
BIT 158	Beginning Database		22		1.0

GENERAL EDUCATION CORE COURSES **20 CREDITS**

Course ID	Course Name	Lec	Lab	Other	Credits
ENGL&101, or ENGL& 101T	English Composition I, or English Comp I for Technical Writers	55			5.0
MATH&107, or MATH& 107T, or MATH&141, or MATH 147	Math in Society, or Math in Society with Technical Applications Precalculus I, or Business Precalculus	55			5.0
BUS& 101	Introduction to Business	55			5.0
PSYC 251	Organizational Behavior	55			5.0

PROGRAM REQUIREMENTS**59 CREDITS**

Course ID	Course Name	Lec	Lab	Other	Credits
BIT 220	Project Management	55			5.0
CMST 105	Communication in Organizations	55			5.0
ETSP 101	Intro to ETSP	55			5.0
ETSP 102	Power Generation and Distribution	55			5.0
ETSP 110	Conventional Energy Systems	55			5.0
ETSP 190	Documenting and Reporting Energy Use	33			3.0
ETSP 201	Environmental Regs and Compliance	55			5.0
ETSP 203	Energy Auditing and Analysis I	55			5.0
ETSP 204	Carbon Footprint & Sustainability Analysis	55			5.0
ETSP 205	Energy Retrofit for Commercial Buildings	55			5.0
ETSP 290	Capstone Seminar	11			1.0
PHYS 111	Physics of Sustainable Energy	55			5.0
BIOL 120, or CHEM&121, or ENVS&101, or ENVS 150, or ENVS 210 ENVS 220, or GEOL&101	Survey of the Kingdoms, or Introduction to Chemistry, or Survey of Environmental Science, or Themes and Methods in Env Science, or Ecology of Puget Sound Wetland Ecology and Conservation, or Introduction to Physical Geology	44, or 44, or 44, or 55, or 44, or 33, or 44	22, or 22, or 22, or 22, or 44, or 22		5.0

EMPHASIS REQUIREMENTS**21 CREDITS**

Course ID	Course Name	Lec	Lab	Other	Credits
ETSP 160	Mechanics Lab		66		3.0
ETSP 180	AC/DC Lab	11	44		3.0
PHIL 243, or PHIL 260	Environmental Ethics, or Business Ethics	55			5.0
select two: ETSP 120 ETSP 130 ETSP 140 ETSP 170	Solar Energy systems, or Wind Generation Systems, or Biomass Generation Systems, or Geothermal Power Generation, or	55			10.0

REQUIRED ELECTIVE CREDITS**5 CREDITS**

Students may choose one or a combination of the following variable credit courses for a total of five credits.

ETSP 197 ETSP 297 ETSP 199 ETSP 299	ETSP Work-based Learning I ETSP Work-based Learning II Service Learning in ETSP I Service Learning in ETSP II			55-275	5.0
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