BTech - Bachelor of Technology in Sustainable Energy Systems - 2020 Entry

Year	Course	Course	Course	Course	Course
1-1	MATH 1000U Introductory Calculus	PHY 1010U Physics I	ENSY 1000U Introduction to Energy Systems	COMM 1050U Technical Communications	BUSI 1700U Introduction to Entrepreneurship
1-2	MATH 1020U Calculus II	SSCI 1470U Impact of Science and Technology on Society	CHEM 1110U Chemical Fundamentals	ENVS 1000U Environmental Science	CSCI 1040U Introduction to Programming for Scientists
2-1	ENSY 2210U Principles of Electrical Systems	ENSY 2220U Fluid Mechanics for Energy Systems	ESNS 2140U Problem Solving Modelling & Simulation	PHY 2050U Thermodynamics and Heat Transfer	ESNS 2200U Technical System Visualization
2-2	ENSY 2330U Mechanical Equipment and Systems	ENSY 2410U Low Carbon Technologies	STAT 2800U Statistics and Probability for Engineers	BUSI 2050U Managerial Economics	MATH 2050U Linear Algebra
3-1	ESNS 3380U Strength of Materials	ESNS 3740U Scientific Instrumentation	BUSI 2220U Marketing Management	Technology Course (see list)	*Technologies* Technology Course *Programs & Policies* Program & Policy Course
3-2	ENSY 3600U Sustainable Energy Thesis Project I	ESNS 3750U Integrated Energy Laboratory	COMM 3350UU Environmental Communication	Technology Course (see list)	*Technologies* Technology Course *Programs & Policies* Program & Policy Course
4-1	ESNS 4660U Risk Analysis Methods	BUSI 3930U Leadership, Negotiation and Teamwork	Technology Course (see list)	Program & Policy Course (see list)	Program & Policy Course or Complementary Studies Elective
4-2	ENSY 4610U Community and Urban Design	ENSY 4600U Sustainable Energy Thesis Project II	ENSY 4700U Energy Policy – Standards and Safety	Program & Policy Course or Complementary Studies Elective	*Technologies* Technology Course or Technical Elective *Programs & Policies* Program & Policy Course

* **Subject to possible changes**

* From a list of more than 30, students are able to select nine Technology (*e.g.,* wind energy systems, solar energy technologies, geo-engineered systems) and Program and Policy (*e.g.,* introduction to project management, communication, communities & social change) courses.