

**BCIT Environmental Engineering Technology (EET) Second Generation Planned Program**

The program mode, as the name implies, allows students to participate in an accelerated planned pathway of studies based on a fixed program of course offerings. Planned Program students follow a prescribed set of courses in Terms 1 and 2 followed by Term 3a or 3b where they select either the Hydrosphere/Lithosphere (HL) Specialty or Atmosphere/Energy (AE) Specialty. In Term 4 students complete: EENG 8300 Applied Research Skills, EENG 8303 Applied Research Project, BUSA 7250 Management Skills and Applications, LIBS 7002 Applied Ethics and two additional LIBS electives.

**EET Second Generation Planned Program Schedule – Hours and Credits**

(Note that this schedule is subject to change.)

**Term 1 - First Common Semester - commences first week of September**

Course Numbe	Course Name	Hours /	Weeks	Total Hours	Credits
EENG 7200	Principles of Sustainability	3	15	45	3.0
EENG 7211	Chem & Org Chemistry	3	15	45	3.0
EENG 7213	Env Methods & Techniques	3	15	45	3.0
EENG 7215	Applied Hydraulics	3	15	45	3.0
EENG 7216	Soil Mech & Hydrogeology	3	15	45	3.0
EENG 7717	Hydrology for EET	3	7	21	1.5
EENG 7719	Survey for EET	3	7	21	1.5
*EENG 8220	Found of Sustain Energy	3	12	36	2.5
*EENG 8290	Air Quality Mgmt	3	12	36	2.5
Totals		27		339	23

\* Denotes a mandatory second generation course required by all EET students for graduation.

**Term 2 - Second Common Semester - commences first week of January**

Course Numbe	Course Name	Hours/ Week	Weeks	Total Hours	Credits
EENG 8286	Env Impact Assessment	3	12	36	2.5
EENG 7221	Environmental Toxicology	3	12	36	2.5
*EENG 7241	Contaminant Hydrogeology	3	12	36	2.5
EENG 8250	Municipal Wastewater	3	12	36	2.5
*EENG 8270	Contam Site Investigation	3	12	36	2.5
EENG 8282	Sustainability Mgmt Syst.	3	12	36	2.5
*EENG 8780	Environmental Law 1	3	7	21	1.5
EENG 8293	Climate & GHG Mgt	3	12	36	2.5
*LIBS 7001	Critical Reading & Writing	3	12	45	3.0
Totals		27	12	318	22

\* Denotes a mandatory second generation course required by all EET students for graduation.

**Term 3a - Specialty Semester Hydrosphere/ Lithosphere - commences first week of April**

Course Numbe	Course Name	Hours/Week	Weeks	Total Hours	Credits
EENG 7220	Industrial Ecology	3	12	36	2.5-
EENG 7242	Groundwater Modeling	3	12	36	2.5
EENG 8255	Drinking Water Treatment	3	12	36	2.5
EENG 8260	Int. Solid Waste Mgmt	3	12	36	2.5
EENG 8262	Landfill Design	3	12	36	2.5
EENG 8272	Contam Site Remediation	3	12	36	2.5
EENG 8273	Sampling Contam Sites	3	12	36	2.5
EENG 8281	Risk Assessment & Mgmt	3	12	36	2.5
Totals		24	12	288	20

**Term 3b - Specialty Semester Atmosphere/Energy - commences first week of April**

Course Numbe	Course Name	Hours/Week	Weeks	Total Hours	Credits
EENG 7220	Industrial Ecology	3	12	36	2.5
EENG 8221	Green Build & Infrastructure	3	12	36	2.5
EENG 8222	Run River IPP	3	12	36	2.5
EENG 8223	Solar & Wind	3	12	36	2.5
EENG 8224	Geo-exchange	3	12	36	2.5
EENG 8291	Ind Air Pollution Controls	3	12	36	2.5
EENG 8294	Applied Meteorology & Climatology	3	12	36	2.5
EENG 8281	Risk Assessment & Mgmt	3	12	36	2.5
Totals		24	12	288	20

**Term 4 - Student registration commences next September their own initiative**

(Tuition fee cap does not apply to Term 4)

Course Number	Course Name	Hours/Week	Weeks	Total Hours	Credits
EENG 8300	Applied Research Skills	3	15	45	3.0
EENG 8303	Applied Research Project	6	25	150	10.0
*BUSA 7250	Management Skills & Ap	3	15	45	3.0
*LIBS 7002	Applied Ethics	3	15	45	3.0
LIBS XXXX	Elective 1	3	15	45	3.0
LIBS XXXX	Elective 2	3	15	45	3.0
Totals				375	25
Grand Total	Hours for Four Terms			1320	90

\* Denotes a mandatory second generation course required by all EET students for graduation.