ECOLOGICAL ENGINEERING (Recommended)

Academic Year: 2016-2017

FIRST YEAR			SECOND YEAR		
Fall	Winter	Spring	Fall	Winter	Spring
BEE 101 or ENGR 111	**COMM 111/114 Speech**	**BEE 102 or ENGR 112**	**BI 211 Principles of Biology** (1 yr Chemistry.)	**BI 212 Principles of Biology**	**BI 213 Principles of Biology**
CH 231/261 Chemistry (1 yr HS Chem or Equiv.)	**CH 232/262 Chemistry**	**CH 233/263 Chemistry**	**ENGR 211 Statics** (MTH 254 Co-Req)	**BEE 221 EcoE Fundamentals**	**ENGR 213 Strength of Materials** (ENGR 211)
MTH 251 Differential Calculus (MTH 112 or Equiv.)	**MTH 252 Integral Calculus**	**MTH 254 Vector Calculus** (MTH 252)	**MTH 256 Differential Equations**	**ST 314 Statistics for Engineers**	**MTH 306 Matrix & Power Series Methods**
WR 121 English Composition	**Lifetime Fitness e.g. HHS 231 + Lab.**	**PH 211 Physics w/ Calculus** (MTH 251; MTH 252 Co-Req)	**PH 212 Physics w/ Calculus** (MTH 252; MTH 254 Co-Req)	**PH 213 Physics w/ Calculus** (MTH 254)	**BEE 222 EcoE Computation**
			Ethics Elective		**WR 327 Technical Report Writing** (WR 121)

Shaded courses are required by the college prior to admission to the Professional Engineering Program

Shaded courses are additional prerequisites for third-year courses.

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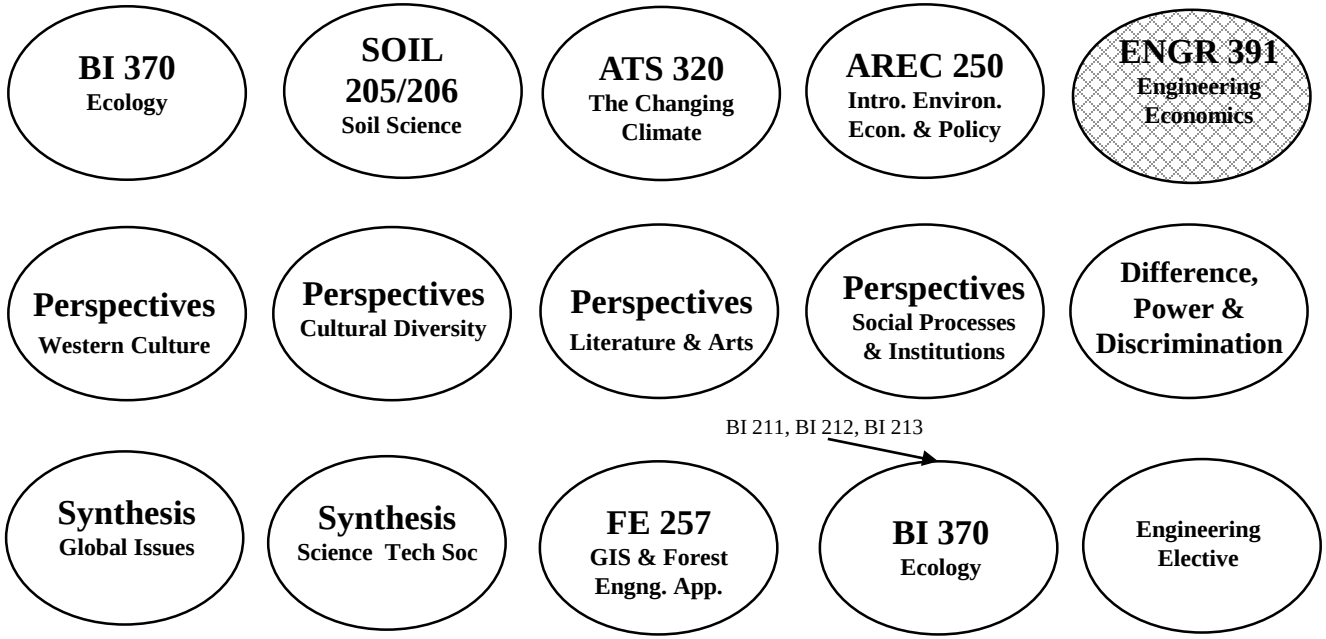
ECOLOGICAL ENGINEERING (Proposed)

Additional courses not requiring admission to the Professional Engineering Program



NOTES:

1. Starting Fall 2001, MTH 306 – Matrix and Power Series Methods (4), will replace MTH 253 – Infinite Series (4) (which is used for admission to the Professional Engineering Program) and MTH 341 – Linear Algebra (3) or equivalent.
2. ST 421 may be substituted for ST 314. However, this requires that ST 422 be taken as an upper division science elective.
3. OSU Baccalaureate Core requirement for a Biological Science course is met by BI 213.
4. OSU Baccalaureate Core Requirement for Synthesis – Science, Technology and Society is met by IE 380.
5. OSU Baccalaureate Core Requirement for Perspectives – Western Culture is met by PHL 205
6. Credits to graduate = 192.