

# Toxicology & Microbial Processes

The coursework below builds expertise in using microbial processes to achieve desired effects, often in the context of recovery of resources from waste streams, leveraging naturally occurring processes to treat environmental contamination, and understanding the toxicology of pollutants in the environment.

## Toxicology & Microbial Processes

4th year	Fall	BEE 512	Physical Hydrology <sup>1</sup>	3
		TOX 511	Fundamental of Toxicology	3
		ENGR 520	M.Eng. Introduction to Portfolio	1
	Winter	BEE568	Bioremediation <sup>2</sup>	4
		BEE/CE/GEO 514	Groundwater Hydraulics (4)	4
	Spring	SOIL 555	Biology of Soil Ecosystems	3
TOX 513		Environmental Toxicology and Risk Assessment	3	
ENVE 545		Microbial Methods in Environmental Engineering	4	
5th year	Fall	BEE 542	Vadose Zone Transport	4
		ENVE 532	Aquatic Chemistry: Natural & Engineered Systems	4
		BEE 507	Seminar	1
		BEE 505	Reading & Conference	2
	Winter	TOX 555	Ecotoxicology: Aquatic Systems	3
		BEE 529	Biological Systems Modeling	3
	BEE 549	Regional Hydrologic Modeling	3	
	ENGR 521	M.Eng. Portfolio Completion	1	