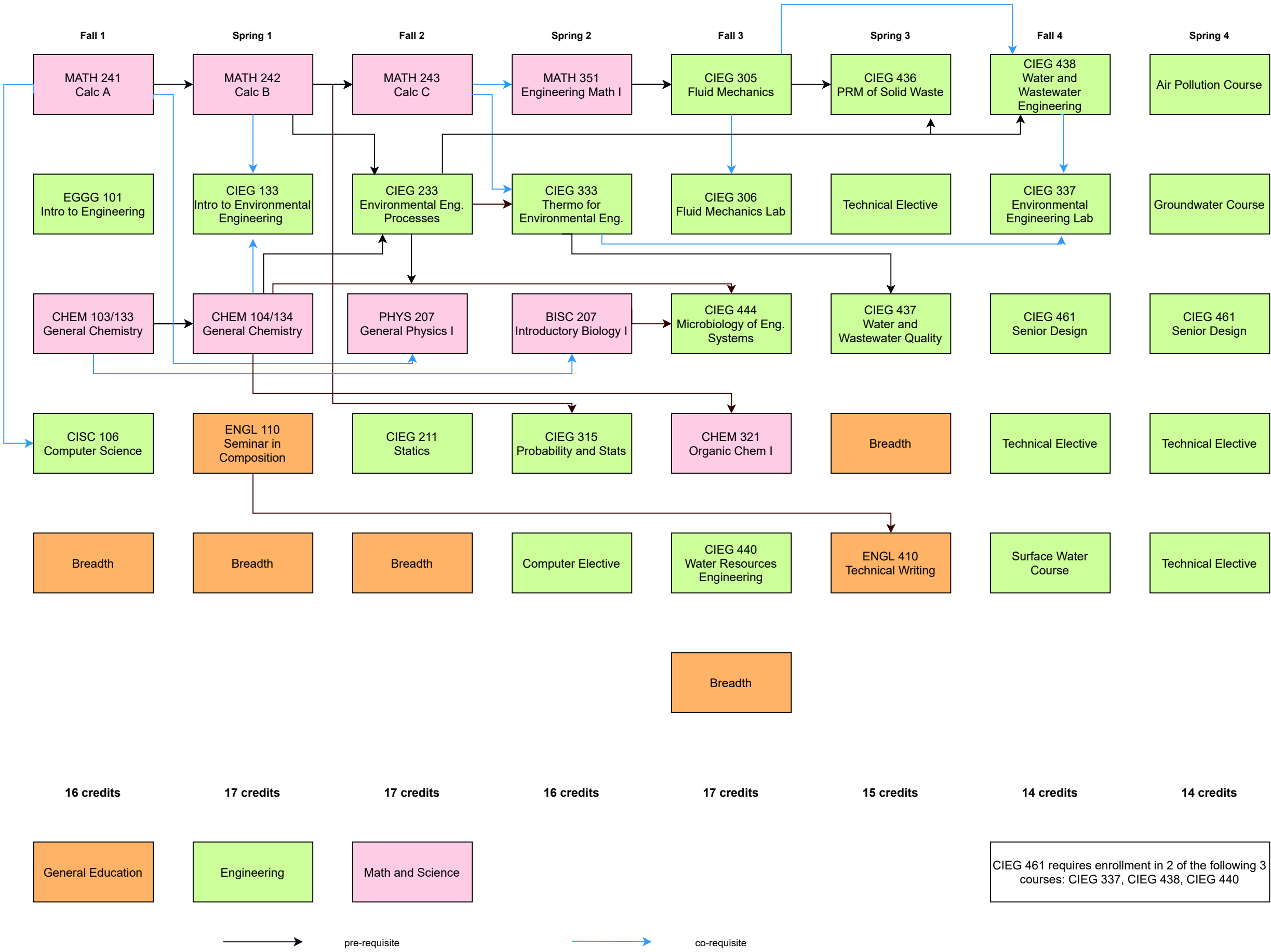Environmental Engineering