Engineering

Wheeling Jesuit University engineering programs offer students the best of two worlds: liberal arts and technology. In contemporary society, engineers are expected to be professionally competent; they must also be aware of the ethical dimension of their work and its impact on the quality of human life. Moreover, those aspiring to management positions will need to be articulate and precise in spoken and written communication. The combination of a strong scientific background with a liberal arts core gives Wheeling students and graduates a competitive edge for career advancement.

Cooperative Engineering Programs

Peter D. Ehni, Ph.D. (Coordinator)

Case Western Reserve University. Under a combined 3-2 course plan, students spend three years at Wheeling Jesuit University, receiving a strong background in the basic physics and mathematics which underlie all of engineering. They also prepare for an engineering specialty in areas which include mechanical engineering, biomedical engineering and computer engineering. At the same time, the student learns in the context of the liberal arts tradition and completes the Wheeling Jesuit University core curriculum. During the fourth and fifth year, he or she will complete engineering training at Case Western Reserve University. The student receives a bachelor of science degree in applied science from Wheeling Jesuit University and a bachelor of science in engineering degree from Case Western Reserve University.

Formal affiliation also exists with the University of Detroit Mercy whereby a student completes two years of study at Wheeling Jesuit University and transfers to this institution for the final years of engineering training. Only the Detroit Mercy degree is given. Transfer to other engineering schools is also possible.

ENGINEERING - Recommended Course Sequence

	Freshman		Sophomore		Junior		Senior	
FALL	PHY 110	4	PHY 311	4	PHY Elective	3		
	PHY 121	1	PHY 321	1	PHY Elective	3		
	MAT 111	4	MAT 211	4	PHY 435A	1		
	ENG 105 or 110	3	CHE 110	4	CSC 110	4		
	HIS 110	3	CHE 121	1	MOL	3		
	FYS 101	1	LIT 250	3	RST 2xx/3xx	3		
	Semester total	16		17		17		
SPRING	PHY 120	4	PHY 221	3	PHY Elective	3		
	PHY 122	1	MAT 212	4	PHY 435B	1		
	MAT 112	4	CHE 120	4	ECO 110	3		
	LIT 120	3	CHE 122	1	FAS 105	3		
	HIS 120	3	PHI 205	3	INS/SSC	3		
	PHI 105	3	RST 106 or 107	3	RST 305 or PHI 305	3		
	Semester total	18		18		16		
	Total Credits	34		35		30		129