

2017년도 산업공학과 교과과정표

이수구분 (학점)	교과목번호	교과목명(영문명)	이수학기 및 학점		
			학점-이론-실습	학년-학기	
교양 (25)	교양 필수 (10)	ZE10102 대학실용영어(I)(Practical College English(I))	} 1과목 이수	2-3-0	1-1
		ZE10103 대학실용영어(II)(Practical College English(II))		2-3-0	
		ZE10109 대학실용영어(고급)(Practical College English(H))		2-2-0	
		ZE10092 컴퓨팅사고(Computational Thinking)	1.5-3-0		
		ZE10100 기초컴퓨터프로그래밍(Basic Computer Programming)	1.5-3-0		
		ZE10091 고전읽기와토론(Reading Classics of Great Literature)	2-2-0		
		ZE10043 공학작문및발표(Technical Writing & Presentation)	3-2-2		
	교양 선택 (15)	ZFZ0084 IV.'과학과기술'영역	3-3-0	1-1	
		ZFZ0087 ◇VII.'융복합'영역	3-3-0	1-1	
		ZFZ0081 I.'사상과역사'영역	3-3-0	1-2	
		ZFZ0086 VI.'외국어'영역	3-3-0	1-2	
		ZFZ0082 II.'사회와문화'영역	3-3-0	2-1	
	전공 (106)	전공 기초 (25)	IE15214 일반물리학(I)(General Physics(I))	3-3-0	1-1
			IE15039 일반물리학실험(I)(General Physics Laboratory(I))	1-0-2	1-1
			IE15570 공학선형대수학(Engineering Linear Algebra)	3-3-0	1-1
IE15379 공학미적분학(I)(Calculus in Engineering(I))			3-3-0	1-2	
IE16582 CAD(Computer Aided Design)			3-2-2	1-2	
IE16583 산업공학프로그래밍(IE Programming)			3-3-0	2-1	
IE25203 공학수학(I)(Engineering Mathematics(I))			3-3-0	2-1	
IE24210 ★공학통계(I)(Engineering Statistics(I))			3-3-0	2-1	
IE24211 ★공학통계(II)(Engineering Statistics(II))			3-3-0	2-2	
전공 필수 (36)			IE34077 공학설계입문(Introduction to Engineering Design)	3-2-2	2-1
			IE24218 작업분석설계및실험(Work Design and Analysis)	3-3-0	2-2
			IE24216 ◎★경영과학(I)(Operations Research(I))	3-3-0	2-2
			IE26377 제조공학및실습(Manufacturing Engineering & Practice)	3-2-2	2-2
			IE34081 ◎생산운영관리(Production and Operations Management)	3-3-0	2-2
			IE34078 ★데이터베이스(Database)	3-3-0	3-1
		IE24217 ★경영과학(II)(Operations Research(II))	3-3-0	3-1	
		IE27637 ◎품질관리론(Quality Control and management)	3-3-0	3-1	
		IE34275 인간공학및실험(Human Factors Engineering and Practice)	3-3-0	3-1	
		IE27699 ★생산시스템공학(Manufacturing System Engineering)	3-3-0	3-2	
		IE27609 시설계획및설계(Facility Planning and Design)	3-3-0	3-2	
		IE27642 시뮬레이션(Systems Simulation)	3-3-0	3-2	
		전공 선택 (45)	IE15845 일반화학(I)(General Chemistry)(I)	3-3-0	1-1
			IE15215 일반물리학(II)(General Physics(II))	3-3-0	1-2
			IE15222 일반물리학실험(II)(General Physics Laboratory(II))	1-0-2	1-2
IE29176 이산수학(Discrete Mathematics)			3-3-0	1-2	
IE34084 ★경제성공학(Engineering Economy)			3-3-0	2-1	
IE34654 ★♣벤처와기술창업(Venture and Technology Entrepreneurship)			3-3-0	2-1	
IE34086 전기전자공학개론(Introduction to Electrical and Electronic Engineering)			3-3-0	2-1	
IE35627 산업데이터과학(Industrial Data Science)			3-3-0	2-1	

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			학점-이론-실습	학년-학기
전공 선택 (45)	IE33034	★기술경영(Management of Technology)	3-3-0	2-2
	IE34239	기계공학개론(Introduction to Mechanical Engineering)	3-3-0	2-2
	IE27708	제조자동화(Manufacturing Automation)	3-3-0	3-1
	IE27565	공급사슬관리(Supply Chain Management)	3-3-0	3-1
	IE34649	산업안전공학(Industrial Safety Engineering)	3-3-0	3-1
	IE35452	통계적선형모형(Linear Models in Data Science)	3-3-0	3-1
	IE35266	연구참여(I)(Undergraduate Research(I))	1-1-0	3-1
	IE34241	확률과정론(Probabilistic Theory)	3-3-0	3-2
	IE24223	★데이터마이닝(Data Mining)	3-3-0	3-2
	IE34243	실험설계및회귀분석(Experimental Design and Regression Analysis)	3-3-0	3-2
	IE27588	지속가능성설계(Design for Sustainability)	3-3-0	3-2
	IE30627	★경영정보시스템(Management Information Systems)	3-3-0	3-2
	IE35267	연구참여(II)(Undergraduate Research(II))	1-1-0	3-2
	IE34245	제조자동화응용(Manufacturing Automation Applications)	3-2-2	4-1
	IE27581	신뢰성공학(Reliability Engineering)	3-3-0	4-1
	IE27617	물류관리(Logistics Systems)	3-3-0	4-1
	IE27568	★정보시스템분석및설계(Analysis and Design of Information Systems)	3-3-0	4-1
	IE34246	전사적자원관리(Enterprise Resource Planning)	3-3-0	4-1
	IE34653	최적화와계산지능(Optimization and Computational Intelligence)	3-3-0	4-1
	IE34308	●종합설계프로젝트(Capstone Design)	3-2-2	4-2
IE34247	창의제품개발론(Innovative Product Development)	3-3-0	4-2	
IE34248	고등생산관리(Advanced Production and Operations Management)	3-3-0	4-2	
IE27681	★인공지능응용(Application of Artificial Intelligence)	3-3-0	4-2	
IE34650	인간컴퓨터상호작용(Human-Computer Interaction)	3-3-0	4-2	
IE34249	산업공학특론(Special Topics in Industrial Engineering)	3-3-0	4-2	

※ 범례 : ◎부전공 필수과목, ★연계전공, ◇융복합 교과목, ♣창업, ●캡스톤디자인
 ◦ 3,4학년 학생은 학기당 3학점, 총 6학점 이내에서 대학원 개설 과목을 이수할 수 있다.

■ 영역별 졸업 기준학점

학과 명	교양(25)		전 공(106)			일반선택 (6)	졸업기준 학 점 (137)
	교양필수 (10)	교양선택 (15)	최소전공(61)		심화전공 (45)		
			전공기초 (25)	전공일반 (36)			
산업공학과	10	15	25	전공필수(36)	전공선택(45)	6	137

■ 심화전공을 선택하지 않은 학생은 다음 중 하나의 전공을 반드시 이수해야 한다.

복수전공	부전공	연계전공
42 ~ 72	21	48~57