400. 공과대학(College of Engineering)

학부 공통과목(Extradepartmental Courses)

공학개론(Extradepartmental Courses in Engineering Introduction)

400.013 기계공학개론(Introduction to Mechanical Engineering) 3-3-0
400.015 산업공학개론(Introduction to Industrial Engineering) 3-3-0
400.019A 전기.정보공학개론(Introduction to Electrical and Computer Engineering) 3-3-0
400.020 재료공학개론(Introduction to Materials Science and Engineering) 3-3-0
400.022 건설환경공학개론(Introduction to Civil and Environmental Engineering) 3-3-0
400.023 화학생물공학개론(Introduction to Chemical and Biological Engineering) 3-3-0
400.024 에너지자원공학개론(Introduction to Energy Resources Engineering) 3-3-0
M2177.007800 VR/AR의 개론 및 실습(Theories and Lab of VR/AR) 3-1-4
[1] M2177.008100 공학 전공 탐색(Introduction to Engineering Majors) 3-3-0
M2177.008600 인공지능 개론(Introduction to AI) 3-3-0
M2177.008700 정보 보호 및 블록체인 개론(Introduction to Security, Privacy and Blockchain) 3-3-0

공학경영(Extradepartmental Courses in Engineering Management)

400.212 기술과 창업(Technology and Entrepreneurship) 3-3-0
400.310 공학기술과사회(Engineering Technology and Society) 3-3-0
400.316 공학경제(Engineering and Economy) 3-3-0

M2177.004700 동적 사업 관리와 컨트롤(Dynamic Project Management & Control) 3-3-0
M2177.007900 대학 스타트업 콜로키엄(University Startup Colloquium) 1-1-0

공학기초(Extradepartmental Courses in Engineering Fundamentals)

400.003 공학수학 3(Engineering Mathematics 3) 3-3-0
400.307 양자역학의 기초(Introduction to Quantum Mechanics) 3-3-0
M2177.004300 딥러닝의 기초(Basics of Deep Learning) 3-3-0
M2177.005800 머신러닝을 위한 기초 수학 및 프로그래밍 실습(Basic Mathematics and Programming Practice for Machine Learning) 3-2-2
M2177.008000 융합공학도를 위한 전기전자회로(Electrical and Electronic Circuits for Integrated Engineers) 3-3-0

창의공학(Extradepartmental Courses in Creative Engineering)

400.018 창의공학설계(Creative Engineering Design) 3-2-2
M2177.002300 다학제 창의적 제품개발(Interdisciplinary Innovative Capstone Design) 3-2-2
M2177.002600 로봇인공지능만들기(How to make a robot with artificial intelligence) 3-2-2
M2177.005900 제품개발을 위한 디지털 설계 및 제조 1(Digital Design and Manufacturing in Product Development 1) 3-2-2
M2177.006100 제품개발을 위한 디지털 설계 및 제조 2(Digital Design and Manufacturing in Product Development 2) 3-2-2
M2177.011400 글로벌 스타트업 스튜디오(Global Startup Studio) 3-3-0
M2177.011500 태양광 자동차(Solar Car Capstone Desinge) 3-3-0

공학실습(Extradepartmental Courses in Engineering Practice)

400.313 공학지식의 실무응용(Field Applications of Engineering Knowledge) 3-3-0
400.320 공학연구의 실습 1(Engineering Research Practice 1) 1-0-2
400.420 공학연구의 실습 2(Engineering Research Practice 2) 1-0-2
M2177.003700 글로벌 공학 인턴십 1(Global Engineering Internship 1) 3-1-4
M2177.010400 공학지식의 글로벌 공유가치(Creating Global Shared Values Through Engineering Knowledge) 3-3-0
M2177.006400 IoT·인공지능·빅데이터의 실무응용 1(Field Application of IoT, AI, and Big Data 1) 2-1-2
M2177.006500 IoT·인공지능·빅데이터의 실무응용 2(Field Application of IoT, AI, and Big Data 2) 2-1-2
M2177.006600 블록체인의 실무응용 1(Field Application of Blockchain 1) 2-1-2
M2177.006700 블록체인의 실무응용 2(Field Application of Blockchain 2) 2-1-2
M2177.008400 창업현장실습 1(Startup Field Practice 1) 3-0-240
M2177.008500 창업현장실습 2(Startup Field Practice 2) 6-0-480
M2177.008800 사물인터넷과 공학설계(Internet of Things and Engineering Design) 3-2-2
M2177.010500 현장실습1(Cooperative Education Course 1) 1-0-50
M2177.010600 현장실습2(Cooperative Education Course 2) 2-0-100
M2177.010700 현장실습3(Cooperative Education Course 3) 3-0-150
M2177.010800 현장실습4(Cooperative Education Course 4) 12-0-600

공학기타(Extradepartmental Courses in General Engineering Subjects)

400.208 컴퓨터과학 입문(Introduction to Computer Science) 3-45-0
M2177.004400 호모 아키텍투스: 세계명품건축순례(Homo Architectus: Voyage around the World Excellent Architecture) 3-3-0
M2177.008900 공학기술의 응용과 전망(Applications and Vision of Engineering Technology) 1-1-0

전공선택 인정 경영대학 과목(Business Courses Credited as Major Elective for College of Engineering)

251.204A 중급회계1, 251.205 회계원리, M1338.004000 조직행동론, M1338.004100 조직이론, 251.301 재무관리, 251.303 인사관리, 251.321 마케팅관리, 251.322 국제경영, 251.332 현대경영이론

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1) 광역모집 입학생을 위한 전공탐색과목

(보충자료)

❑ 공과대학 공통과목 리스트(대학원: 28개 교과목)

2026학년도 1학기 시행

400. 공과대학(College of Engineering)

대학원 공통과목(Extradepartmental Courses)

400.505 유한요소법입문(Introduction to the Finite Element Method) 3-3-0
400.512 풍력시스템의 설계와 실습(Design and Practice of Wind Turbine System) 3-2-2
M1570.000300 공학연구윤리및논문작성법(Engineering Research Ethics and Writing Skills) 2-2-0
M2177.002700 연구자를 위한 기술사업화 1(Entrepreneurship for researchers 1) 3-3-0
M2177.002800 연구자를 위한 기술사업화 2(Entrepreneurship for researchers 2) 3-3-0
M2177.003000 고급 데이터마이닝(Advanced Data Mining) 3-3-0
M2177.003100 딥러닝(Deep Learning) 3-3-0
M2177.005500 글로벌 공학기술 교류 특강 1(Global Interchange Lecture on Engineering Technology 1) 1-1-0
M2177.005600 글로벌 공학기술 교류 특강 2(Global Interchange Lecture on Engineering Technology 2) 2-2-0
M2177.006800 IoT·인공지능·빅데이터의 실무응용 연구 1(Field Application Research of IoT, AI, and Big Data 1) 2-1-2
M2177.006900 IoT·인공지능·빅데이터의 실무응용 연구 2(Field Application Research of IoT, AI, and Big Data 2) 2-1-2
M2177.007400 글로벌 공학기술 교류 특강 3(Global Interchange Lecture on Engineering Technology 3) 3-3-0
M2177.007500 사물인터넷과 창의공학설계 (Internet of Things and Creative Engineering Design) 3-3-0
M2177.008200 반도체공정(Semiconductor Processes) 4-2-4
M2177.008300 최신 인공지능 기술(Recent Topics in Artificial Intelligence) 3-3-0
M2177.009600 도시공간구조론(Formation of Urban Structure) 3-3-0
M2177.009700 비점성유동(Inviscid Flow) 3-3-0
M2177.009800 고분자물리학 1(Polymer Physics 1) 3-3-0
M2177.009900 비선형시스템이론(Nonlinear System Theory) 3-3-0
M2177.010000 확률 그래프 모델(Probabilistic Graphical Models) 3-3-0
M2177.010100 반응기 설계 및 해석(Design and Analysis of Chemical Reactors) 3-3-0
M2177.010200 고급컴퓨터구조(Advanced Computer Architecture) 3-3-0
M2177.010300 반도체화학공정(Chemical Processes in Semiconductor Fabrication) 3-3-0
M2177.010900 현장실습1(Cooperative Education Course 1) 1-0-50
M2177.011000 현장실습2(Cooperative Education Course 2) 2-0-100
M2177.011100 현장실습3(Cooperative Education Course 3) 3-0-150
M2177.011600 엔지니어링 오케스트레이션(Engineering Orchstration) 3-3-0
M2177.011700 오픈소스 반도체 설계 및 제작 종합설계 (Open-Source Semiconductor Chip Design and Fabrication Capstone) 3-3-0