

[붙임 2.]

바이오메디컬공학부 헬스케어기기공학전공 교육과정 편성표

[2021학년도 재학생 적용]

학 년	학 기	학수 구분	과 목 명(영문)	학 강 실 점 의 습
2	1	전필	○인체해부생리학(Human Anatomy and Physiology)	3-3-0
			전자회로설계및실습 1(Electronic Circuit Design and Lab. 1)	3-2-2
		전선	의공학개론(Introduction to Biomedical Engineering)	3-3-0
			확률통계학(Probability and Statistics)	3-3-0
	2	전필	생체역학 1(Biomechanics 1)	3-3-0
			데이터기반헬스케어기술 1(Data-Driven Healthcare Technology 1)	3-2-2
		전선	생체역학 2(Biomechanics 2)	3-3-0
			전자회로설계및실습 2(Electronic Circuit Design and Lab. 2)	3-2-2
3	1	전필	임상의학개론(Introduction to Medical Terminology)	3-3-0
			의료정보학(Biomedical Informatics)	3-3-0
		전선	생체물성학(Biological Properties)	3-3-0
			데이터기반헬스케어기술 2(Data-Driven Healthcare Technology 2)	3-2-2
	2	전필	○임베디드시스템및실습 1(Embedded System and Lab. 1)	3-2-2
			데이터베이스및실습(Database and Practice)	3-2-2
		전선	의료기기학 1(Biomedical Equipment 1)	3-3-0
			생체계측및실습 1(Biomedical Measurement and Lab. 1)	3-3-0
4	1	전필	마이크로프로세서및실습 1(Microprocessor System and Lab. 1)	3-2-2
			바이오메카닉스활용및실습 1(Biomechanics Application and Lab. 1)	3-2-2
		전선	생체계측및실습 2(Biomedical Measurement and Lab. 2)	3-3-0
			임베디드시스템및실습 2(Embedded System and Lab. 2)	3-2-2
	2	전필	의료기기학 2(Biomedical Equipment 2)	3-3-0
			바이오메카닉스활용및실습 2(Biomechanics Application and Lab. 2)	3-2-2
		전선	3D 설계기법및실습(Computer Aided Mechanical Design and Lab.)	3-2-2
			대체의학(Introduction to Alternative Medicine)	3-3-0
4	1	전필	○IT융복합종합설계(IT Convergence and Fusion Capstone Design)	3-0-6
			컴퓨터네트워크(Computer Network)	3-3-0
		전선	의료기기법규및안전관리(Biomedical Instrumentation Regulations and Safety Management)	3-3-0
			재활공학및실습(Rehabilitation Engineering and Lab.)	3-2-2
			3D 구조해석및실습(Structural Mechanics and Practice)	3-2-2
			고령친화시스템공학(Gerontological Healthcare Engineering)	3-3-0
	2	전선	IT융복합심화설계(IT Convergence and Advanced Design)	3-0-6
			생체공학세미나(Bionics Seminar)	3-3-0
			헬스케어기기디자인(Healthcare Equipment Design)	3-3-0
			감성공학(Sensibility Engineering)	3-3-0
			창업과기술경영(Startup & Technocracy)	3-0-6

○표시는 부전공 필수과목

바이오메디컬공학부 헬스케어정보공학전공 교육과정 편성표

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학 년	학 기	학수 구분	과 목 명(영문)	학 강 실 점 의 습
2	1	전필	○인체해부생리학(Human Anatomy and Physiology)	3-3-0
			데이터기반헬스케어기술 1(Data-Driven Healthcare Technology 1)	3-2-2
		전선	확률통계학(Probability and Statistics)	3-3-0
			데이터구조(Data Structure)	3-3-0
			전자회로설계및실습 1(Electronic Circuit Design and Lab. 1)	3-2-2
	2	전선	의공학개론(Introduction to Biomedical Engineering)	3-3-0
			데이터베이스(Database)	3-3-0
			데이터기반헬스케어기술 2(Data-Driven Healthcare Technology 2)	3-2-2
			분자생물학(Molecular Biology)	3-3-0
			의료정보학(Biomedical Informatics)	3-3-0
3	1	전선	운영체제(Operating System)	3-3-0
			임상의학개론(Introduction to Medical Terminology)	3-3-0
			컴퓨터구조(Computer Architecture)	3-3-0
			바이오통계학(Biostatistics)	3-3-0
			의료영상학(Medical Imaging)	3-3-0
	2	전선	데이터베이스및실습(Database and Practice)	3-2-2
			의료기기학 1(Biomedical Equipment 1)	3-3-0
			임베디드시스템및실습 1(Embedded System and Lab. 1)	3-2-2
			생체계측및실습 1(Biomedical Measurement and Lab. 1)	3-3-0
			마이크로프로세서및실습 1(Microprocessor System and Lab. 1)	3-2-2
4	1	전선	○생명정보학(Bioinformatics)	3-3-0
			의료기기학 2(Biomedical Equipment 2)	3-3-0
			생체계측및실습 2(Biomedical Measurement and Lab. 2)	3-3-0
			마이크로프로세서및실습 2(Microprocessor System and Lab. 2)	3-2-2
			의료영상 1(Medical Imaging 1)	3-3-0
	2	전선	바이오통계학(Biostatistics)	3-3-0
			의료영상 2(Medical Imaging 2)	3-3-0
			의료영상 3(Medical Imaging 3)	3-3-0
			의료영상 4(Medical Imaging 4)	3-3-0
			의료영상 5(Medical Imaging 5)	3-3-0
5	1	전선	○IT융복합종합설계(IT Convergence and Fusion Capstone Design)	3-0-6
			컴퓨터네트워크(Computer Network)	3-3-0
			의료기기법규및안전관리(Biomedical Instrumentation Regulations and Safety Management)	3-3-0
			병원정보시스템(Hospital Information System)	3-3-0
			의료영상 2(Medical Imaging 2)	3-3-0
	2	전선	임상데이터분석및처리(Clinical Data Analysis and Process)	3-2-2
			IT융복합심화설계(IT Convergence and Advanced Design)	3-0-6
			패턴인식(Pattern Recognition)	3-3-0
			IT융복합통섭연구(IT Consilience Research)	3-3-0
			창업과기술경영(Startup & Technocracy)	3-0-6

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