



전공선택, 계열변경, 부(복수)전공 신청/변경/취소

Application for Major Application/Change

May, 2021

학사팀

Educational Affairs Team

1. 부전공 및 복수전공 (Minor and Double Major)

- 학사과정에서는 전공 외에 부(복수)전공을 이수할 수 있다
- 부(복수)전공 신청은 정해진 신청기간 내에 신청서를 작성하고, 지도교수의 승인을 거쳐 최종 총장의 승인을 받아야 한다.
- 전공에 따라 선수과목을 지정할 수 있으며, 동일 교과목의 학점을 전공과 부(복수)전공의 과목으로 이중계산하지 않는다.
- 부(복수)전공 이수는 각 학과(부)의 교육과정에 따라 이수해야 하며, 복수전공은 36학점 이상, 부전공은 18학점 이상의 전공학점을 이수하여야 한다. 부(복수)전공 학점은 자유선택 학점으로 6학점까지 중복 인정한다.

※ 2021년 이후의 전체 입학생 및 2020년까지의 입학생 중 학과제 선택자에게 적용됨

1. 부전공 및 복수전공 (Minor and Double Major)

- Undergraduate students can complete their major with the minor(double major)
 - In order to complete a minor(double major), students should apply their application with the advisor's approval
 - Prerequisite courses can be decided by each major and it doesn't double-calculate credits of the same courses as a major and a minor(double major)
 - Students would follow the curriculum, graduation requirements of the admitted department of the minor(double major); It should be complete major courses on and over 36 credits for double major and on and over 18 credits for the minor. It is acceptable until 6 credits in duplicate as a minor and a free elective
- ※ For all 2021 entrants and students(~2020) who change to the department-based curriculum from the track-based curriculum, the regulation of major selection and change will be applied for their major/minor/double major completion.**

2. 1학년 학과 및 전공 선택 (Application for Department and Major)

❖ 신청 자격

- 1학년 2학기차 재학생
- 학과는 반드시 입학한 계열(경영/이공) 내에서 선택하며
복수전공 및 부전공은 계열 및 학부와 상관없이 선택 가능함
- 학과제 학생들의 복수전공 또는 부전공 이수가 필수사항이 아님 (단일전공 가능)

❖ Qualification

- Enrolled freshmen in their 2nd semester who are in School of New UNISTars
- Students should select the department within their admitted fields. They can choose the double major/minor from any of the departments they want.
- For all students in department-based curriculum(2021 curriculum), the application for double major or minor completion is not mandatory (possible to take a single major)

3. 계열 변경 (Field Change Application)

❖ 신청 자격 (Qualification)

- 계열(경영/이공)을 변경하고자 하는 학생
- 8학기 이하 재학생 및 휴학생 신청 가능
- 계열변경을 허가 받은 학생은 변경 계열에서 요구하는 기초과목 및 전공과목을 이수해야 함
- Students who want to change Field(Business/Engineering)
- Students on a leave of absence and on the register under 8th semester
- Students who are admitted to field change should complete fundamental courses and major courses of the changed field

3. 계열 변경 (Field Change Application)

❖ 계열 변경 조건 (Conditions for Field Change)

Admission Year	Engineering Field → Business Administration Field	Business Administration Field → Engineering Field
2020	X	<ul style="list-style-type: none"> • Completion of 1st year(2 semesters) or more • Completion of 17 credits of Engineering Fundamentals (Calculus I, General Physics I, General Chemistry I/II, General Biology, AIP I, General Chemistry Lab I/II, General Physics Lab I)
2021 ~ + Curriculum changed students	X	<ul style="list-style-type: none"> • Completion of 2nd year(4 semesters) or more • Completion of 17 credits of Engineering Fundamentals (Calculus I, General Physics I, General Chemistry I/II, General Biology, AIP I, General Chemistry Lab I/II, General Physics Lab I) • Completion of 4 out of 7 in Business Administration Field Fundamentals (Management Information System, Organizational Behavior, Marketing Management, Financial Accounting, Financial Management, Operations Management, Strategic Management)

4. 부(복수)전공 신청 및 변경

(Minor/Double Major Application and Change)

❖ 신청 자격

- 부(복수)전공 신청: 2학기 이상 이수한 재학생 (3학기~8학기)
 - 주/부/복수전공 변경: 2학기 이상 이수한 재학생 및 휴학생 (3학기~8학기)
 - 9학기 이상 학생, 졸업 당해학기에는 부(복수)전공 변경 신청 불가
 - 부(복수)전공 취소는 졸업 당해학기까지 신청 가능
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- 신청 기간 내에 지도교수 및 소속 학과(부)장, 변경하려는 학과(부)장의 승인을 받아야 한다.
 - 부(복수)전공자는 각 학과(부)에서 요구하는 기초과목을 모두 이수하여야 함
 - 학과(부) 및 부(복수)전공을 변경한 경우 기 이수한 학점은 변경 학과(부)의 교육과정에 해당하는 과목에 한정하며, 변경 소속 학과(부)장 및 지도교수의 의견을 들어 그 전부 또는 일부를 인정할 수 있다.

4. 부(복수)전공 신청 및 변경

(Minor/Double Major Application and Change)

❖ Qualification and Procedure

- Application for Minor(Double Major): Enrolled students who complete over 2 semesters
- Change for Major/Minor/Double Major: Students on a leave of absence and on the register who complete over 2 semesters
- Students who are on and more 9th semester and the graduate-to-be cannot apply.
- Students can cancel his/her minor(double major) until their graduation semester.
- In order to change a minor(double major), students should apply their application during the application period; after approvals of advisor, current department(school) head, desired department(school) head, his/her major will be changed.
- In the case of minor/double major, fundamental courses required in each department should be fulfilled.
- If students change his/her major/minor/double major, credits earned are effective only when they are matched with the curriculum of the desired department, they could be admitted in whole or in part with the opinion of the desired dept. head and advisor.

4. 부(복수)전공 신청 및 변경

(Minor/Double Major Application and Change)

- ❖ 주전공 경영계열(경영과학부)인 학생의 이공계열 부(복수)전공 시 기초과목 이수 요건
 - 물리학과, 화학과
일반화학 I, 일반물리 I, 일반화학실험 I, 일반물리실험 I 이수가 부(복수)전공 요건에 추가됨
 - 물리학과, 화학과 외 학과
일반화학 I, 일반물리 I, 일반화학실험 I, 일반물리실험 I 이수 권장
- ❖ Requirements for Students in Business Administration Field
about Completing Fundamentals when majoring in Engineering Field (minor/double major)
 - Dept. of Physics & Dept. of Chemistry
Completion of General Chemistry I, General Physics I, General Chemistry Lab I, General Physics Lab I is 'required' for the requirements of a minor(double major)
 - Other departments except Physics & Chemistry
Completion of General Chemistry I, General Physics I, General Chemistry Lab I, General Physics Lab I is 'recommended'

[안내] 트랙제 → 학과제 변경자 신청 방법

※ 학제 변경을 원하는 학생들은 반드시 읽어보세요!

1. 포털 > 학사 > 학적 > 학부/트랙 신청 및 변경
(학과제) 전공신청/변경

- ▼ 학부/트랙 신청 및 변경
 - (트랙제) 전공신청/변경
 - (학과제) 전공신청/변경

2. 학과제로의 변경을 원하는 트랙제 학생들은 **반드시 주전공을 신청하여야** 합니다.
기존 전공(1트랙)을 유지하는 경우에도 적용되며, 학과제에서의 해당 학과를 선택하면 됩니다.

주전공

☒ 신청/변경

현재 단과대학: 학부(기존) 현재 학과(부): 전전컴 현재 전공: 컴퓨터공학
선택 단과대학: 정보바이오융합대학 선택 학과(부): 컴퓨터공학과 선택 전공: 컴퓨터공학과

복수전공

☐ 신청/변경 ☐ 포기

현재 단과대학: 현재 학과(부): 현재 전공:
선택 단과대학: 선택 학과(부): 선택 전공:

부전공1

☐ 신청/변경 ☐ 포기

현재 단과대학: 현재 학과(부): 현재 전공:
선택 단과대학: 선택 학과(부): 선택 전공:

부전공2

☐ 신청/변경 ☐ 포기

현재 단과대학: 현재 학과(부): 현재 전공:
선택 단과대학: 선택 학과(부): 선택 전공:

3. 부전공(최대 2개까지 가능), 복수전공(1개 가능)을 선택해주세요.
기존 2,3트랙 혹은 융합복수전공이 자동으로 부(복수)전공으로 옮겨지는 것이 아닙니다.
학과제에서 부전공/복수전공 이수는 필수사항이 아니니 이수를 원하는 경우 선택해주세요.

※ Application for Curriculum Change (Track → Department)

1. Portal > Academic Affairs > Student Registry >
Select/Change School/Track > **(Dept. Curriculum) Major Application/Change**
2. Students who want to change from the track-based curriculum to the department-based curriculum **should apply his/her major(1st track)** even if it maintains after the change.

Major

☒ Application/Change

Current College: Undergraduate School Current Department(School): ECE Current Major: Computer Science and Engineering

College to be changed: College of Information-Bio Convergence Engine... Department to be changed: Computer Science and Engineering Major to be changed: Computer Science and Engineering

Double Major

☐ Application/Change ☐ Cancellation

Current College: Current Department(School): Current Major: College to be changed: Department to be changed: Major to be changed:

Minor #1

☐ Application/Change ☐ Cancellation

Current College: Current Department(School): Current Major: College to be changed: Department to be changed: Major to be changed:

3. Students can apply for a minor(up to 2) and a double major(up to 1).
Existing **2nd track or interdisciplinary double major will not automatically maintain** in the department-based curriculum unless the major application.
It depends on each student's choice about the completion of a minor/double major.

5. 학과별 전공학점 이수 조건 (Academic Credit Approval by Department)

Department	Major		Minor		Double Major	
	Required	Elective	Required	Elective	Required	Elective
기계공학과 Dept. of Mechanical Engineering	27	21	9	9	18	18
도시환경공학과 Dept. of Urban and Environmental Engineering	15	39	6	12	12	24
신소재공학과 Dept. of Materials Science and Engineering	21	30	12	6	21	18
에너지화학공학과 School of Energy and Chemical Engineering	33	18	18	0	33	6
원자력공학과 Dept. of Nuclear Engineering	33	21	3	15	15	21
디자인학과 Dept. of Design	30	18	12	6	30	6
바이오메디컬공학과 Dept. of Biomedical Engineering	21	33	12	6	15	24
산업공학과 Dept. of Industrial Engineering	24	24	9	9	15	21
생명과학과 Dept. of Biological Sciences	32	22	11	7	14	22
전기전자공학과 Dept. of Electrical Engineering	21	27	18	0	18	18
컴퓨터공학과 Dept. of Computer Science and Engineering	24	24	15	15	18	21
물리학과 Dept. of Physics	24	30	12	6	18	18
수리과학과 Dept. of Mathematical Sciences	30	24	12	6	15	21
화학과 Dept. of Chemistry	30	24	12	6	18	18
경영과학부 School of Business Administration	21	27	12	6	21	15

6. 학과별 기초 이수 조건 (Requirements for Basic Courses by Department)

Department	Fundamental Courses
이공계열 공통 기초필수 (Engineering Field: Required)	<ul style="list-style-type: none"> Completion of 17 credits (Calculus I, General Physics I, General Chemistry I/II, General Biology, AIP I, General Chemistry Lab I/II, General Physics Lab I)
기계공학과(MEN)	<ul style="list-style-type: none"> Complete basic elective courses at least 13 credits including Applied Linear Algebra and Differential Equations
도시환경공학과(UEE)	<ul style="list-style-type: none"> Completion of 13 credits 'What you may (not) want to know about cities and environment' is included in the fundamental elective, but not included in the requirement of graduation All the other fundamental elective courses will be accepted in UEE
신소재공학과(MSE)	<ul style="list-style-type: none"> Completion of 15 credits Recommended to take following 5 courses (15 credits): Applied Linear Algebra, Differential Equations, Introduction to AI Programming II, General Physics II, General Chemistry II
에너지화학공학과(ECHE)	<ul style="list-style-type: none"> Mandatory to take following 5 courses (15 credits): Calculus II, General Physics II, General Chemistry II, Differential Equations, Introduction to AI Programming II
원자력공학과(NE)	<ul style="list-style-type: none"> Complete at least 13 credits including Applied Linear Algebra, Differential Equations, Calculus II and Statistics

6. 학과별 기초 이수 조건 (Requirements for Basic Courses by Department)

Department	Fundamental Courses
이공계열 공통 기초필수 (Engineering Field: Required)	<ul style="list-style-type: none"> Completion of 17 credits (Calculus I, General Physics I, General Chemistry I/II, General Biology, AIP I, General Chemistry Lab I/II, General Physics Lab I)
디자인학과(Design)	<ul style="list-style-type: none"> Complete 13 credits among the basic course list Recommend: 2 courses Elective: 11 courses
바이오메디컬공학과(BME)	<ul style="list-style-type: none"> Completion of 16 credits Recommend: Calculus II, General Physics II, General Chemistry II, Statistics, AIP II, BME to change the world
산업공학과(IE)	<ul style="list-style-type: none"> Completion of 15 credits including required courses Required: Applied Linear Algebra, Statistics, AIP II
생명과학과(BIO)	<ul style="list-style-type: none"> Completion of 15 credits Required: Applied Linear Algebra, Statistics
전기전자공학과(EI)	<ul style="list-style-type: none"> Completion of 16 credits Required: Calculus II, Applied Linear Algebra, Differential Equations, Understanding major + any elective and recommended courses (6 credits) by department
컴퓨터공학과(CSE)	<ul style="list-style-type: none"> Completion of 16 credits among the basic course list Required: 4 courses / Recommend: 2 courses / Elective: 3 courses

6. 학과별 기초 이수 조건 (Requirements for Basic Courses by Department)

Department	Fundamental Courses
이공계열 공통 기초필수 (Engineering Field: Required)	<ul style="list-style-type: none"> Completion of 17 credits Calculus I, General Physics I, General Chemistry I, General Biology, AIP I, General Chemistry Lab I, General Physics Lab I
물리학과(PHY)	<ul style="list-style-type: none"> Completion of 13 credits General Physics II, General Physics Lab II, Calculus II, Applied Linear Algebra, Differential Equations
수리과학과(MTH)	<ul style="list-style-type: none"> Completion of 16 credits Calculus II, Applied Linear Algebra, Differential Equation, AIP II, Statistics, Understanding Major
화학과(CHEM)	<ul style="list-style-type: none"> Complete at least 14 credits General Chemistry II, General Chemistry Lab II, General Physics II, AIP II, Calculus II, Why Chemistry?

Department	Fundamental Courses
경영계열 공통 기초필수 (Business Administration Field: Required)	<ul style="list-style-type: none"> Complete at least 9 credits Calculus I, AIP I + choose 1 course among General Physics I, General Chemistry I, General Biology
경영과학부(SBA)	<ul style="list-style-type: none"> Complete at least 19 credits Required: Applied Linear Algebra, Statistics, Entrepreneurship, Economics, Principles of Management Elective(6 credits) : Calculus II, Differential Equations, Introduction to Data Science, AIP II, Discrete Mathematics, Probability & Random Process

7. 전공선택 및 변경에 따른 학위수여 (Conferment of Degree)

❖ 학위수여

- 학사과정 졸업자에게는 전공에 따라 학위를 수여하고 부(복수)전공을 이수한 학생에게는 졸업증서에 부(복수)전공을 표시한다.
- 복수전공자: 졸업증서에 주전공 학과 및 복수전공 학과 모두 기재, 주전공과 복수전공 학위 모두 수여 (2개 학위)
- 부전공자: 졸업증서에 주전공 학과 및 부전공 학과 모두 기재, 주전공 학위 수여 (1개 학위)

❖ Conferment of Degree

- Graduated students of undergraduate program could be awarded the degree (refer to the table below). Minor(double major) is written on the diploma of students who complete the minor(double major)
- Double major program completion: Major and double major are all written in diploma and 2 degrees (major, double major) will be conferred
- Minor program completion: Major and minor are all written in diploma and 1 degree (major) will be conferred

7. 전공선택 및 변경에 따른 학위수여 (Conferment of Degree)

❖ 수여 학위 (Conferred Degree)

학위종별 Type of Degree	단과대학 College	학과(부) Department(School)
공학사 Bachelor of Science	공과대학 College of Engineering	기계공학과(MEN), 도시환경공학과(UEE), 신소재공학과(MSE), 에너지화학공학과 (ECHE), 원자력공학과(NE)
	정보바이오융합대학 College of Information and Biotechnology	디자인학과(Design), 바이오메디컬공학과 (BME), 산업공학과(IE), 전기전자공학과(EE), 컴퓨터공학과(CSE)
이학사 Bachelor of Science	공과대학 College of Engineering	도시환경공학과(UEE)
	정보바이오융합대학 College of Information and Biotechnology	생명과학과(BIO)
	자연과학대학 College of Natural Sciences	물리학과(PHY), 수리과학과(MTH), 화학과 (CHEM)
경영학사 Bachelor of Business Administration		경영과학부(SBA)



THANK YOU

Inquiries (052-217-)

- College of Engineering
MEN 1806, UEE 1803, MSE 1802, ECHE 1808, NE 1807
- College of Information-Bio Convergence Engineering
SLS/BME 1845, Design/CSE 1846, IE/EE 1847
- College of Natural Sciences
MTH/PHY 1882, CHEM 1883
- School of Business Administration: 3666
- School of New UNISTars : 6703
- Educational Affairs Team : 1116

