UIC Graduation Requirements

Integrated Science and Engineering Division -
Energy & Environmental Science and Engineering

(Major, Double Major, Transfer Student with a Bachelor's Degree, Minor)

1. Major Graduation Requirements (The same rule applies to General Transfer Students)

UIC ISED-Energy & Environmental Science and Engineering

Category		2014		2015, 2016		2017		2018	
		Course	Credit	Course	Credit	Course	Credit	Course	Credit
Common Curriculum	CC	Chapel	4P(2P)[1)]	Chapel	2[1)]	Chapel	2[1)]	Chapel	2[1)]
		Understanding Christianity	3	Understanding Christianity	3	Understanding Christianity	3	Understanding Christianity	3
		Freshman Writing Intensive Seminar	3	Freshman Writing Intensive Seminar	3	Freshman Writing Intensive Seminar	3	Freshman Writing Intensive Seminar	3
		CC L-H-P Series	3	CC L-H-P Series	3	CC L-H-P Series	3	CC L-H-P Series	3
		Critical Reasoning or Research Design and Quantitative Methods	3	Critical Reasoning or Research Design and Quantitative Methods	3	Critical Reasoning or Research Design and Quantitative Methods	3	Critical Reasoning or Research Design and Quantitative Methods	3
		UIC Seminars	6	UIC Seminars	6	UIC Seminars	6	UIC Seminars	6
		Western Civilization or Eastern Civilization	3	Western Civilization or Eastern Civilization	3	Western Civilization or Eastern Civilization	3	Western Civilization or Eastern Civilization	3
		Holistic Education I, II, III	2[3)]	Holistic Education I, II, III	2[3)]	Holistic Education I, II, III	2[3)]	Social Engagement	1
		Yonsei RC101	1	Yonsei RC101	1	Yonsei RC101	1	Yonsei RC101	1
	UICE	Calculus and Vector Analysis I, II General Biology and Laboratory I, II General Chemistry and Laboratory I, II General Physics and Laboratory I, II	18[4)]	Calculus and Vector Analysis I, II General Biology and Laboratory I, II General Chemistry and Laboratory I, II General Physics and Laboratory I, II	18[4)]	Calculus and Vector Analysis I, II General Biology and Laboratory I, II General Chemistry and Laboratory I, II General Physics and Laboratory I, II	18[4)]	Calculus and Vector Analysis I, II General Biology and Laboratory I, II General Chemistry and Laboratory I, II General Physics and Laboratory I, II	18[4)]
		Subtotal	**42**	**Subtotal**	**44**	**Subtotal**	**44**	**Subtotal**	**43**
Major	MB					Introduction to Integrated Science and Engineering	3	Introduction to Integrated Science and Engineering	3
						Organic chemistry(1)	3	Organic chemistry(1)	3
						Solid State Chemistry	3	Solid State Chemistry	3
	MR	Introduction to Energy/Environmental Science and Engineering	3	Introduction to Energy/Environmental Science and Engineering	3	Introduction to Energy/Environmental Science and Engineering	3	Introduction to Energy/Environmental Science and Engineering	3
		Solid State Chemistry	3	Solid State Chemistry	3	Fluid Dynamics	3	Fluid Dynamics	3
		Fluid Dynamics	3	Fluid Dynamics	3	Thermodynamics(1)	3	Thermodynamics(1)	3
		Thermodynamics(1)	3	Thermodynamics(1)	3	Transport Theory	3	Transport Theory	3
		Transport Theory	3	Transport Theory	3	Junior Independent Study	3	Junior Independent Study	3
		Organic chemistry(1)	3	Organic chemistry(1)	3	EESE Senior Thesis	3	EESE Senior Thesis	3
	ME		39		39		30		30
		Subtotal	**57**	**Subtotal**	**57**	**Subtotal**	**57**	**Subtotal**	**57**
Total Credits		**135**		**135**		**135**		**135**	

1. Transfer students admitted to sophomore year must earn 3 Passes. Transfer students admitted to junior year must earn 2 Passes.

2. Required major credits will be reduced to 36 if a student completes a double major.

3. Select 2 categories out of 3 categories.

4. Select 6 courses out of 8 courses.

5. General transfer students get an exemption for Holistic Education and Yonsei RC101 courses.

2. Double Major Graduation Requirements

UIC - ISED-Energy & Environmental Science and Engineering

구분	종별	2014~2016		2017	
		Course	Credit	Course	Credit
Major	MB			Introduction to Integrated Science and Engineering	3
				Organic chemistry(1)	3
				Solid State Chemistry	3
	MR	Introduction to Energy/Environmental Science and Engineering	3	Introduction to Energy/Environmental Science and Engineering	3
		Solid State Chemistry	3	Fluid Dynamics	3
		Fluid Dynamics	3	Thermodynamics(1)	3
		Thermodynamics(1)	3	Transport Theory	3
		Transport Theory	3	Junior Independent Study	3
		Organic chemistry(1)	3	EESE Senior Thesis	3
	ME		18		9
		Subtotal	**36**	**Subtotal**	**36**
Common Curriculum	UICE	Calculus and Vector Analysis I, II General Biology and Laboratory I, II General Chemistry and Laboratory I, II General Physics and Laboratory I, II	18[2)]	Calculus and Vector Analysis I, II General Biology and Laboratory I, II General Chemistry and Laboratory I, II General Physics and Laboratory I, II	18[2)]
		Subtotal	**18**	**Subtotal**	**18**
Total Credits		**54**		**54**	

1. Only UIC students can apply for a double major within UIC major offerings.

2. Select 6 courses out of 8 courses.

3. For common curriculum requirements, students having a double (2nd) major should follow the CC requirements of their 1st major.

3. Graduation Requirements for Transfer Students with a Bachelor's Degree

UIC - ISED-Energy & Environmental Science and Engineering

구분	종별	2014~2016		2017	
		Course	Credit	Course	Credit
Major	MB			Introduction to Integrated Science and Engineering	3
				Organic chemistry (1)	3
				Solid State Chemistry	3
	MR	Introduction to Energy/Environmental Science and Engineering	3	Introduction to Energy/Environmental Science and Engineering	3
		Solid State Chemistry	3	Fluid Dynamics	3
		Fluid Dynamics	3	Thermodynamics(1)	3
		Thermodynamics(1)	3	Transport Theory	3
		Transport Theory	3	Junior Independent Study	3
		Organic chemistry(1)	3	EESE Senior Thesis	3
	ME		39		30
		Subtotal	**57**	**Subtotal**	**57**
Total Credits		**57**		**57**	

1. Transfer students with a bachelor's degree are required to take 2 semesters of Chapel.

4. Minor Graduation Requirements

UIC - ISED-Energy & Environmental Science and Engineering

구분	종별	2014~2017	
		Course	Credit
	MR	Introduction to Energy/Environmental Science and Engineering	3
		Fluid Dynamics	3
		Thermodynamics(1)	3
	ME		9
		Subtotal	**18**
Total Credits		**18**	

1. Only UIC students can apply for a minor within UIC major offerings.