UIC Graduation Requirements

Integrated Science and Engineering Division -
Nano 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-Nano Science and Engineering

Category		2014		2015, 2016		2017		2018, 2019	
		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
						Fundamentals of Quantum Physics	3	Fundamentals of Quantum Physics	3
						Physical Chemistry(1)	3	Physical Chemistry(1)	3
	MR	Fundamentals of Quantum Physics	3	Fundamentals of Quantum Physics	3	Introduction to Nanotechnology and Laboratory	3	Introduction to Nanotechnology and Laboratory	3
		Introduction to Nanotechnology and Laboratory	3	Introduction to Nanotechnology and Laboratory	3	Nano-characterization	3	Nano-characterization	3
		Nano-characterization	3	Nano-characterization	3	Electromagnetic Theory	3	Electromagnetic Theory	3
		Electromagnetic Theory	3	Electromagnetic Theory	3	Solid State Chemistry	3	Solid State Chemistry	3
		Solid State Chemistry	3	Solid State Chemistry	3	Junior Independent Study	3	Junior Independent Study	3
		Physical Chemistry(1)	3	Physical Chemistry(1)	3	NSE Senior Thesis	3	NSE 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.

6). Up to 4 courses from other majors listed on the UIC website can be recognized as NSE major for students who completed them by the end of the Fall 2019 semester.

2. Double Major Graduation Requirements

UIC ISED-Nano Science and Engineering

구분	종별	2014 ~ 2016		2017 ~ 2021	
		Course	Credit	Course	Credit
Major	**MB**			Introduction to Integrated Science and Engineering	3
				Fundamentals of Quantum Physics	3
				Physical Chemistry(1)	3
	MR	Fundamentals of Quantum Physics	3	Introduction to Nanotechnology and Laboratory	3
		Introduction to Nanotechnology and Laboratory	3	Nano-characterization	3
		Nano-characterization	3	Electromagnetic Theory	3
		Electromagnetic Theory	3	Solid State Chemistry	3
		Solid State Chemistry	3	Junior Independent Study	3
		Physical Chemistry(1)	3	NSE 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 Deg

UIC ISED-Nano Science and Engineering

구분	종별	2014 ~ 2016		2017 ~ 2021	
		Course	Credit	Course	Credit
Major	MB			Introduction to Integrated Science and Engineering	3
				Fundamentals of Quantum Physics	3
				Physical Chemistry(1)	3
	MR	Fundamentals of Quantum Physics	3	Introduction to Nanotechnology and Laboratory	3
		Introduction to Nanotechnology and Laboratory	3	Nano-characterization	3
		Nano-characterization	3	Electromagnetic Theory	3
		Electromagnetic Theory	3	Solid State Chemistry	3
		Solid State Chemistry	3	Junior Independent Study	3
		Physical Chemistry(1)	3	NSE 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-Nano Science and Engineering

구분	종별	2014 ~ 2021	
		Course	Credit
	MR	Fundamentals of Quantum Physics	3
		Introduction to Nanotechnology and Laboratory	3
		Nano-characterization	3
	ME		9
		Subtotal	**18**
Total Credits		**18**	

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