



Chemistry Graduate Pathway Program

The Chemistry Graduate Pathway program provides international students with a direct path to the non-thesis Chemistry Master of Science Program at Oregon State University.

About the Department of Chemistry

- Home to the \$20M NSF Center for Sustainable Materials Chemistry.
- Largest PhD program at OSU with diverse graduate student body from all around the world.
- OSU chemistry faculty and students have founded more than a dozen companies and licensed multiple technologies since 2000.

Program Benefits

- Qualifies as a STEM major with a 36-month OPT option
- Assured progression to OSU's master program in chemistry
- Earn up to 12 graduate credit hours
- Up to 40 hours of GRE preparation
- Dedicated academic advisor and progression advisor to help facilitate transition from the Pathway

World-class Facilities

- **Linus Pauling Science Center:**
Researchers focus on understanding nutrition and micronutrients to help prevent chronic disease.
- **Electron Microscopy Facility:**
One of only two facilities in the US with advanced microscopy instruments.
- **Nuclear Magnetic Resonance Facility:**
State-of-the-art instrumentation for chemistry-related researchers.

OSU is home to the National Center
for Sustainable Materials Chemistry

#41 Top Research
University in the US

#80 Best Graduate Program
for Chemistry in the US

Areas of Concentration

	Graduate Pathway Program	Completion of Master's	Total time to graduate
Master of Science in Organic Chemistry	9 months / 3 terms	12-18 months / 4-6 terms	21-27 months / 7-9 terms
Master of Science in Materials Chemistry	9 months / 3 terms	12-18 months / 4-6 terms	21-27 months / 7-9 terms
Master of Science in Physical Chemistry	9 months / 3 terms	15-21 months / 5-7 terms	24-30 months / 8-10 terms

Master of Science in Organic Chemistry

3-Term Pathway Fall: September 13, 2017	Degree program components			Program information	
Entry Requirements Academic Requirements <ul style="list-style-type: none"> Undergraduate degree in chemistry or closely related field with 2.75 GPA overall and in final year of study Language Requirements <ul style="list-style-type: none"> TOEFL iBT 70 or IELTS 6.0 or Password overall level 7 or Completion of Academic English Level 5 with C (or Pass) or higher grades in all classes 	Term 1	Course title	Credit hours	Progression Requirements Academic Requirements <ul style="list-style-type: none"> 3.0 GPA cumulative for the last 90 quarter credits (60 semester credits) and 3.0 GPA cumulative in all Pathway courses (60 semester credits) and C (or pass) or higher grades in all Pathway courses Language Requirements <ul style="list-style-type: none"> B or higher in all English language courses or TOEFL iBT 80 (18 subscores) or IELTS 6.5 Standardized Test Requirements <ul style="list-style-type: none"> GRE quantitative score of 152 or higher <p>These courses are generally delivered through the INTO OSU Center and are for Pathway students only.</p> <p>Courses listed are examples and are subject to change.</p> <p><small>*For students who earn B or higher grades, these courses will apply to graduate degree requirements. Chemistry classes will change according to the area of concentration.</small></p>	
		45 credit-hour program			
		10 credit hours apply from the Pathway			
		35 credit hours remaining towards degree			
		ALS 161	Academic Reading/Writing		3
		ALS 162	Academic Listening/Speaking		3
		CH 630	Advanced Organic Chemistry*		3
		CH 507	Chemical Safety Seminar		1
		CH 505	Reading and Conference		1
		IEPA 005	GRE Preparation		0
		Total			11
		Term 2	Course title		Credit hours
		WR 121	English Composition		3
		ALS 181	English Composition Bridge		2
		COMM 111	Public Speaking		3
	CH 631	Advanced Organic Chemistry*	4		
	Total		12		
	Term 3	Course title	Credit hours		
	WR 327	Technical Writing	3		
	CH 632	Advanced Organic Chemistry*	3		
	CH 501	Research	4		
	ALS 181	INTO OSU STEM Success	2		
	Total		12		

Master of Science in Materials Chemistry

3-Term Pathway Fall: September 13, 2017	Degree program components			Program information	
Entry Requirements Academic Requirements <ul style="list-style-type: none"> Undergraduate degree in chemistry or closely related field with a 2.75 GPA overall and in final year of study Language Requirements <ul style="list-style-type: none"> TOEFL iBT 70 or IELTS 6.0 or Password overall level 7 or Completion of Academic English Level 5 with C (or Pass) or higher grades in all classes 	Term 1	Course title	Credit hours	Progression Requirements Academic Requirements <ul style="list-style-type: none"> 3.0 GPA cumulative for the last 90 quarter credits (60 semester credits) and 3.0 GPA cumulative in all Pathway courses (60 semester credits) and C (or pass) or higher grades in all Pathway courses Language Requirements <ul style="list-style-type: none"> B or higher in all English language courses or TOEFL iBT 80 (18 subscores) or IELTS 6.5 Standardized Test Requirements <ul style="list-style-type: none"> GRE quantitative score of 152 or higher <p>These courses are generally delivered through the INTO OSU Center and are for Pathway students only.</p> <p>Courses listed are examples and are subject to change.</p> <p><small>*For students who earn B or higher grades, these courses will apply to graduate degree requirements. Chemistry classes will change according to the area of concentration.</small></p>	
		45 credit-hour program			
		11 credit hours apply from the Pathway			
		34 credit hours remaining towards degree			
		ALS 161	Academic Reading/Writing		3
		ALS 162	Academic Listening/Speaking		3
		CH 511	Inorganic Chemistry*		4
		CH 507	Chemical Safety Seminar		1
		CH 507	Seminar Attendance		1
		CH 505	Reading and Conference		1
		IEPA 005	GRE Preparation		0
		Total			13
		Term 2	Course title		Credit hours
		WR 121	English Composition		3
		ALS 181	English Composition Bridge		2
	COMM 111	Public Speaking	3		
	CH 512	Inorganic Chemistry*	4		
	Total		12		
	Term 3	Course title	Credit hours		
	WR 327	Technical Writing	3		
	CH 513	Inorganic Chemistry*	3		
	CH 501	Research	4		
	ALS 181	INTO OSU STEM Success	2		
	Total		12		

Master of Science in Physical Chemistry

3-Term Pathway

Fall: September 13, 2017

Degree program components

45 credit-hour program
0 credit hours apply from the Pathway
45 credit hours remaining towards degree

Program information

Entry Requirements

Academic Requirements

- Undergraduate degree in chemistry or closely related field with a 2.75 GPA overall and in final year of study

Language Requirements

- TOEFL iBT 70 or
- IELTS 6.0 or
- Password overall level 7 or
- Completion of Academic English Level 5 with C (or Pass) or higher grades in all classes

Term 1	Course title	Credit hours
ALS 161	Academic Reading/Writing	3
ALS 162	Academic Listening/Speaking	3
CH 440	Physical Chemistry	3
CH 507	Chemical Safety Seminar	1
CH 507	Seminar Attendance	1
CH 505	Reading and Conference	1
IEPA 005	GRE Preparation	0
Total		12
Term 2	Course title	Credit hours
WR 121	English Composition	3
ALS 181	English Composition Bridge	2
COMM 111	Public Speaking	3
ALS 116	Academic Success	2
CH 441	Physical Chemistry	3
Total		13
Term 3	Course title	Credit hours
WR 327	Technical Writing	3
CH 442	Physical Chemistry	3
CH 501	Research	4
ALS 181	INTO OSU STEM Success	2
Total		12

Progression Requirements

Academic Requirements

- 3.0 GPA cumulative for the last 90 quarter credits (60 semester credits) and
- 3.0 GPA cumulative in all Pathway courses (60 semester credits) and
- C (or pass) or higher grades in all Pathway courses

Language Requirements

- B or higher in all English language courses or
- TOEFL iBT 80 (1.8 subscores) or
- IELTS 6.5

Standardized Test Requirements

- GRE quantitative score of 152 or higher

These courses are generally delivered through the INTO OSU Center and are for Pathway students only.

Courses listed are examples and are subject to change.

