

# Polymer and Color Chemistry

## Transfer Requirements

- ✓ English Composition
- ✓ Calculus (MA 131 or MA 141)
- ✓ Chemistry (CH 101/102)
- ✓ GPA requirement: 2.4+

**Please Note: Statistics cannot be used to meet the Math requirement.**

## Transfer Admission Review Process

NC State Undergraduate Admissions employs a holistic approach in reviewing transfer students' applications and considers a range of accomplishments and qualifications. While competitive transfer applicants must meet the following, these alone do not guarantee admission:

- Strong cumulative GPA for all transferable college work previously attempted
- 30 semester hours (or 45 quarter hours) of transferable credits (Qualifying AP scores can be used to meet transfer admission coursework requirements.)
- Eligibility to return to each institution previously attended
- UNC-system Minimum Course Requirements, if under 21 years old or have less than 24 transferable hours at the time of the application
- Attempted coursework through NC State University's Non-Degree Studies Program (NDS) must have a minimum GPA of 2.0 or higher in order to be considered for admission

GPA's are calculated based on all transferable-types of courses attempted. Courses repeated at previous institutions are calculated with the original grades earned. We will exclude the two lowest grades below a C- when calculating the overall cumulative GPA from all transferable coursework attempted outside of NC State University.

**Please note:** Students taking college-level courses while in high school (dual enrollment), including early college high schools, are freshman applicants for admission purposes.

Transfer applicants who have attempted <30 hours must provide an official high school transcript, GED or Adult High School diploma and official ACT or SAT score.

Foreign language proficiency is a General Education Requirement at NC State. Students may satisfy that requirement through completion of two years of a foreign language in high school (both years in the same language with a grade of "C" or better for each year before high school graduation). Students who have not fulfilled the proficiency requirement while in high school must complete foreign language proficiency through the FL 102 level before graduation.

## Course Options for Prospective Transfer Student

Determine which highlighted course options can transfer to NC State from your institution by using the NC State Undergraduate Admissions transfer course equivalencies database

<https://www.acs.ncsu.edu/scripts/ugadmiss/trnsfcrs.pl>. You should also use this resource as you make plans to complete any transfer admissions requirements.

- **NC Community College course equivalent noted in bold and italic.**
- NC State General Education Program (GEP) Course Lists:  
<http://oucc.dasa.ncsu.edu/general-education-program-gep/gep-course-lists-2/>

### Polymer and Color Chemistry: Science and Operations

#### FRESHMAN YEAR

Fall Semester	Credit	Spring Semester	Credit
T 101 Introduction to the College of Textiles	1	PCC 106 Polymer Synth Sustain & the Env.	3
PCC 101 Intro to Polymer & Color Chem	2	CH 221 Organic Chemistry I/CH 222 Lab <b>CHM 251</b>	4
PCC 104 Intro to Poly & Color Chem Lab	1	MA 231 OR MA 241 Calculus II <b>MAT 272</b>	3-4
MA 131 OR MA 141 Calculus I <b>MAT 271</b>	3-4	GEP Humanities	3
CH 101/102 Chemistry & Lab <b>CHM 131/131A, CHM 135, or CHM 151</b>	4	ARE 201, EC 201, OR EC 205 Fund of Economics <b>ECO 251</b>	3
ENG 101 Academic Writing and Research <b>ENG 111 &amp; ENG 112, 113, or 114</b>	4		
	15-16		16-17

#### SOPHOMORE YEAR

Fall Semester	Credit	Spring Semester	Credit
TE 200 Intro to Polymer Science and Eng	3	TMS 211 Intro to Fiber Science/TMS 211 Lab	3
CH 223 Organic Chemistry II/CH 224 Lab <b>CHM 252</b>	4	CH 201 Quantitative Sci/CH 202 Lab <b>CHM 136 or CHM 152</b>	4
PY 211/PY 211 Lab <b>PHY 151</b> OR PY 205/PY 205 Lab <b>PHY 251</b>	4	PY 212/PY 212 Lab <b>PHY 152</b> OR PY 208/PY 208 Lab <b>PHY 252</b>	4
HESF 1** Health and Exercise Studies <b>PED 1**</b>	1	HE Health and Exercise Studies Elective <b>PED Non-Coaching Course</b>	1
GEP Interdisciplinary Perspectives	3	GEP Social Sciences: Recommend US Diversity Co-Requisite <b>SOC 213 or SOC 220</b>	3
	15		15

#### JUNIOR YEAR

Fall Semester	Credit	Spring Semester	Credit
PCC 461 Fiber Forming Polymers/PCC 464 Lab	4	PCC 350 Intro to Color Science and Applications	2
PCC 301 Tec of Dyeing and Finishing/PCC 304 Lab	4	PCC 354 Color Science Lab	1
TMS 212 Textile Product Formation/TMS 214 Lab	3	PCC 4** Elective	3
TE 303 OR CH 331 Thermodynamics for Tex Engineers	3-4	GEP Humanities: Recommend Global Knowledge Co-Requisite <b>HIS 111, HIS 121, HIS 165, HIS 211, HIS 212, HIS 213, HIS 214, REL 110, REL 211, or REL 212</b>	3
		Advised Elective	3-4
	14-15	Advised Elective	3
			15-16

#### SENIOR YEAR

Fall Semester	Credit	Spring Semester	Credit
PCC 442 Th. Phys. Chem. Processing of Textiles	3	PCC 412 Textile Chemical Analysis/PCC 414 Lab	3
PCC 462 Charact. and Phys Prop of Polymers	3	PCC 4** Elective	3
PCC 4** Elective	3	Advised Elective	3
PCC 4** Elective	3	Advised Elective	3
PCC 401 Impact of Industry on the Environment & Society	3	GEP Additional Breadth: Humanities, Social Sciences, or Visual Performing Arts	3
	15		15

A maximum of 56 transfer course credits towards degree