Polymer and Color Chemistry (18PCCM)

Description

The Textile Engineering, Chemistry, and Science Department (TECS) offers a minor in Polymer and Color Chemistry to majors in any field except Polymer and Color Chemistry. The program is designed to expose students to the technical and scholarly disciplines of polymer chemistry, fiber formation, color physics, dyeing, and chemical modification of fabrics, and gives them an opportunity to learn how basic disciplines are applied in an industrial environment. Any interested student should contact the TECS Associate Department Head for Undergraduate Programs for information about the minor and its prerequisites.

Requirements

- Students take a minimum of 16 hours in Polymer and Color Chemistry consisting of 3 required courses and 2 advised elective courses.
- Students must achieve a grade of 'C' or better in all courses to be used toward the minor.
- Students need to pay special attention to course prerequisites.
- Comment and Restrictions:
  1. Required prerequisite courses in mathematics consist of MA 131 and 231, or MA 141 and 241.
  2. Required prerequisite courses in physics consist of PY 211 and PY 212 or PY 205 and PY 208.
  3. Required prerequisite courses in chemistry consist of CH 101, CH 201, CH 221 and CH 223.
  4. PCC 203, Introduction to Polymer Chemistry, may be required of students who have not completed one year of organic chemistry before starting the program.

Required Courses (10 credit hours)

- PCC 301 Technology of Dyeing and Finishing (4 cr)
- PCC 305 Introduction to Color Science Applications (3 cr)
- PCC 461 Introduction to Fiber Forming Polymers (3 cr)

Elective Courses (6 credit hours)

- Advised elective (3 cr)
- Advised elective (3 cr)

The advised electives are to be selected by student in consultation with Dr. Sam Hudson, 3116 College of Textiles, 919.515.6545 or Sam_Hudson@ncsu.edu, Polymer and Color Chemistry Program Director and advisor for the Minor.

Admissions

Any interested student should contact the person listed below for information about the minor and its prerequisites.

Certification

Once pursuing the minor, students should contact the person listed below for advice about course selection and certification. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program. Paperwork for certification can be found with 3307 College of Textiles and should be completed no later than during the registration period for the student's final semester at NC State.
Contact Person

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SIS Code: 18PCCM