Pulp and Paper Technology (Minor)

The Pulp and Paper Technology Minor is available to all undergraduate students enrolled in the University as degree candidates, except Paper Science & Engineering majors. The minor is focused on papermaking science and technology and is intended to be especially valuable to students majoring in programs leading to careers in corporate or government positions which would interface with the paper related industries. Students interested in business, scientific or engineering specialties which may interface with or be employed by these industries will find the minor especially useful.

Six hours of required courses provide a comprehensive overview of pulping and papermaking science and technology, including pulping, bleaching, chemical recovery, recycled fibers, stock preparation, papermaking, coating, printing, converting, and paper properties. Nine elective hours may be chosen from areas including wood chemistry, wet end chemistry, unit operations, process design and analysis, project management, paper physics, process control, or to gain more in depth exposure to the basic pulping, bleaching and papermaking processes.

Admissions and Certification of Minor

All undergraduate students enrolled in the University as a degree candidate, other than PSE majors, are eligible for admission to the PPT minor program. Dr. Med Byrd will serve as advisor and certify completion of the minor. To be admitted to the program, a student must have a GPA of at least 2.0. Application for admission to any University minor program is now available via MyPack Portal. Admission will be based upon the student's academic record, and in most cases no longer requires departmental review. Go to the Add a Minor (https://studentservices.ncsu.edu/your-degree/coda-home/add-a-minor/) page to apply. Paperwork must be submitted to the minor advisor no later than the registration period of the student's final semester at NC State. The minor must be completed no later than the semester in which the student expects to graduate from his or her degree program.

Contact Information

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SIS Code: 15PPM

Plan Requirements

Code	Title	Hours
Required Courses		**7**
PSE 201	Pulping and Papermaking Technology	
PSE 212	Paper Properties	
Elective Courses		**8**
Select three of the following:		
PSE 322	Wet End and Polymer Chemistry	
PSE 332	Wood and Pulping Chemistry	
PSE 355	Pulp and Paper Unit Processes I	
PSE 360	Pulp and Paper Unit Processes II	
PSE 371	Pulping Process Analysis	
PSE 415	Paper Industry Strategic Project Analysis	
PSE 416	Process Design and Analysis	
PSE 465	Process Engineering	
PSE 472	Paper Process Analysis	
PSE 475	Process Control in Pulp and Paper	
Total Hours		**15**

Note: Some of the above courses have prerequisites. Permission to waive those prerequisites must be obtained from the course instructor after evaluation of the student's academic background.