### Degree Requirements

<table>
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<th>Code</th>
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<th>Hours</th>
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<td>FB 501</td>
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<td>12</td>
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<tr>
<td>FB 601</td>
<td>Master's Seminar</td>
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Select three of the following courses:

- **FB 516** Forest Products Colloids & Surfaces
- **FB 565** Forest Biomaterials Physics
- **FB 723** Forest Biomaterials Chemistry
- **FB 760** Engineering Unit Operations for Biomass Conversion

**Elective Courses**

- **FB 510** Strategic Business Processes for the Forest Products Industry
- **FB 522** Chemical Principles for the Papermaking Process Engineer
- **FB 527** Wet-End and Colloidal Chemistry
- **FB 576** Environmental Life Cycle Analysis
- **FB 580** The Sustainable Bioeconomy

**Additional Course**

"Additional Course" approved in conjunction with the academic committee to meet 30 total hours

**Total Hours**

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**Faculty**

**Full Professors**

- Dimitris S. Argyropoulos
- Marko Hakovirta
- Martin A. Hubbe
- Hasan Jameel
- Stephen S. Kelley
- Melissa Pasquinelli
- David C. Tilotta
- Richard A. Venditti

**Associate Professors**

- Lucian A. Lucia
- Philip H. Mitchell
- Lokendra Pal
- Sunkyu Park
- Joel Justin Pawlak
- Perry N. Peralta
- Itona Maria Peszlen
- Leah C. Rathbun
- Daniel Erique Saloni

**Assistant Professors**

- Ronalds Wilfredo Gonzalez
- Paul Frederik Laleicke
- Nathalie Marie Lavoine
- Yuan Yao

**Practice/Research/Teaching Professors**

- Medwick V. Byrd
- Elizabeth Kierepka
- Rico Ruffino

**Emeritus Faculty**

- Hou-Min Chang
- Ellis B. Cowling
- Earl L. Deal
- Eric L. Ellwood
- Edward T. Funkhouser
- Irving S. Goldstein
- John A. Heitmann Jr.
Larry G. Jahn
Magret Joyce
Adrianna G. Kirkman
Michael J. Kocurek
Ronald G. Pearson
Richard J. Thomas
Elisabeth A. Wheeler

Adjunct Faculty
Sujit Banerjee
Jesse Daystar
Richard Phillips