**Core Competencies of the**

**Department of Forestry**

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| Bachelor's Degree/  Forest Science Program | Bachelor's Degree/  Wood Science Program | Master's Degree | Doctoral Degree |
| 1. Basic knowledge and skills in forestry | 1. Basic knowledge and skills in forestry | 1. Professional knowledge and skills in forest resources conservation | 1. Advanced knowledge and skills in forest resources conservation |
| 1. Theories and practices in forest biology, conservation and ecology | 1. Theories and practices of biomaterial properties | 1. Professional knowledge and skills in forest management | 1. Advanced knowledge and skills in forest management |
| 1. Theories and practices in silviculture, forest genetics and breeding | 1. Theories and practices in the development and application of forest resources | 1. Professional knowledge in sustainable utilization of biomaterial | 1. Advanced knowledge and skills in sustainable utilization of biomaterial |
| 1. Theories and practices in forest management | 1. Theories and practices in functional biomaterials (including pulping and papermaking) |  |  |
| 1. Basic knowledge and skills in forest biomaterial | 1. Theories and practices in the development of bioenergy |  |  |