

# Timber Engineering (TBER)

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## Requirements for Graduate Microcertificate in Timber Engineering

Wood serves as a viable building material that is readily available. Reinforced concrete and steel are common building construction materials; however, wood is the only building material that is fully renewable and sustainable. Because of wood construction economy and constructability, most homes in the U.S. are built using wood. Beyond traditional sawn wood usage, mass timber is a new wood product in the United States that is gaining increasing popularity as a material of choice for wood construction. Mass timber is a wood composite that uses adhesives to attach small wood sections to form larger structural elements with increased strength and improved structural behavior. Although wood is commonly used as a building structural material, most entry-level structural engineers have not completed coursework in timber design beyond a brief basic introduction at the undergraduate level.

The graduate MicroCertificate in Timber Engineering seeks to remedy this deficiency by providing graduate students with core wood related courses to expand the graduate structural engineering student's breadth of knowledge and improve the student's engineering employment opportunities.

### Requirements for the Timber Engineering Graduate

**MicroCertificate:** The graduate MicroCertificate in Timber Engineering requires a certificated student to successfully complete the following courses, each with a grade of "C" or better:

CVEG 59203	Timber Design	3
CVEG 59303	Advanced Timber Design	3
CVEG 53143	Mass Timber Design	3
<b>Total Hours</b>		<b>9</b>