

# CHEMICAL ENGINEERING, MASTER OF SCIENCE (M.S.)

---

**Thesis only:** 30 credits

A minimum of 30 credit hours of course work in technical areas relating directly to chemical engineering is required for the M.S. degree, 6 of which are devoted to thesis research. All students seeking graduate degrees in Chemical Engineering must enroll in CHBE610, CHBE620, CHBE630, and CHBE640 if they have not completed equivalent courses. In addition to Graduate School regulations, special degree requirements (including core course GPA requirements) are described at the Chemical Engineering Department website: [www.ench.umd.edu](http://www.ench.umd.edu) (<http://www.ench.umd.edu>).

Course	Title	Credits
<b>Core Requirements</b>		
CHBE609	Graduate Seminar	2
CHBE610	Chemical Engineering Thermodynamics	3
CHBE620	Methods of Engineering Analysis	3
CHBE630	Transport Phenomena	3
CHBE640	Advanced Chemical Reaction Kinetics	3
CHBE799	Master's Thesis Research	6
Remainder of coursework		10
<b>Total Credits</b>		<b>30</b>