CHEMICAL ENGINEERING - MASTER OF ENGINEERING IN CHEMICAL ENGINEERING (ONLINE)

MAP Requirements

- The Graduate School allows qualified junior or senior students to substitute its graduate courses for required or elective courses in an undergraduate degree program and then subsequently count those same course as fulfilling graduate requirements in a related graduate program.
- Undergraduate students may apply for acceptance to the accelerated master's program after completing 60 semester hours of undergraduate coursework of which a minimum of 25 semester credit hours must be completed at NMSU.
- The grade point average must be at a minimum of 2.75.

Students must receive a grade of B or higher in this coursework to be counted for graduate credit. If a grade of B- or lower is earned, it will not count toward the graduate degree.

Accepted MAP Courses

The following courses are accepted for use in the MAP program. Other courses may be considered after a consultation with the program advisor.

Prefix	Title	Credits
CHME 451	Intellectual Property for Engineers and Scientists	3
CHME 452	Chemical Process Design & Economic Evaluation	3
CHME 455	Chemical Plant Design	3
CHME 455 L	Chemical Plant Simulation	1
CHME 461	Calculation of Material and Molecular Properties	3
CHME 464	Polymer Science & Engineering	3
CHME 467	Nanoscience and Nanotechnology	3
CHME 470	Introduction to Nuclear Energy	3
CHME 471	Health Physics	3
CHME 474	Power Plant Design	3
CHME 476	Nuclear Fuel Cycles	3
CHME 478	Electrochemistry: Basics & Applications	3
CHME 479	Corrosion and Degradation of Materials	3
CHME 481	Biomedical Engineering and Engineering Healthcare	3
CHME 486	Biofuels	3
CHME 495	Brewing Science & Engineering	3
CHME 495 L	Brewing Science & Technology Lab	1
CHME 501	Graduate Thermodynamics for Chemical Engineers	3
CHME 506	Graduate Transport Phenomena(s)	3
CHME 516	Graduate Numerical Methods in Chemical Engineering	3
CHME 542	Graduate Reactor Analysis and Design (s)	3
CHME 548	Industrial Safety	3
CHME 564	Polymer Science & Engineering	3
CHME 565	Rheology and Viscoelasticity	3
CHME 567	Nanoscience and Nanotechnology	3
CHME 570	Introduction to Nuclear Energy	3
CHME 571	Health Physics	3
CHME 574	Power Plant Design	3
CHME 576	Nuclear Fuel Cycles	3
CHME 578	Electrochemistry: Basics & Applications	3
CHME 591	Graduate Special Topics	1-3
CHME 593	Graduate Special Projects	1-3
CHME 594	Professional Communication in Chemical Engineering	2
CHME 595	Chemical Process Design and Business Analysis	3
CHME 596	Chemical Process Industries Research	1
CHME 597	Advanced Chemical Process Industry Analysis	2