



Pre-Dental at the University of Michigan-Dearborn

Below, in the table on both pages, are the classes you need to learn for the content on the Dental Admissions Test ([DAT](#)) as well as meet the requirements for the **two** dental schools in the State of Michigan. **Admissions requirements vary among dental schools.** Students can find requirements for all US dental schools in the [ADEA Official Guide to Dental Schools](#).

Course Subject	Course Title	Course Number	Credit Hours	DDC*
Biology*	Intro. to Organismal and Environmental Biology	BIOL 130+lab	4	GENS
	Intro. to Molecular and Cellular Biology (pre-req CHEM 134)	BIOL 140+lab	4	GENS
	Microbiology (pre-req BIOL 140 and CHEM 134)	BIOL 285+lab	4	
Chemistry	General Chemistry IA (pre-req or co-req MATH 105 or equivalent))	CHEM 134+lab	4	GENS
	General Chemistry IIA (pre-req CHEM 134)	CHEM 136+lab	4	GENS
	(If you took CHEM 144 & 146 + labs, this is acceptable.)			
	AND			
Additional	Organic Chemistry I (pre-req CHEM 136)	CHEM 225	4	
Chemistry	Organic Chemistry II (pre-req CHEM 225)	CHEM 226	4	
	Organic Chemistry Laboratory (pre-req or co-req CHEM 226)	CHEM 227	2	
	AND			
	Principles of Biochemistry (pre-req BIOL 140 and CHEM 226)	BCHM 370 <i>or</i> BIOL 370 <i>or</i> CHEM 370	4	
	OR			
	Biochemistry I (pre-req BIOL 130, 140 and CHEM 226)	BCHM 470 <i>or</i> BIOL 470 <i>or</i> CHEM 470	4	
	Biochemistry II (pre-req BCHM 470)	BCHM 471 <i>or</i> BIOL 471 <i>or</i> CHEM 471	4	
Physics	Introductory Physics I (pre-req MATH 105)	PHYS 125+lab	4	GENS
	Introductory Physics II (pre-req PHYS 125)	PHYS 126+lab	4	GENS
	OR			



Course Subject	Course Title	Course Number	Credit Hours	DDC*
	<i>OR</i>			
Physics	General Physics I (pre-req MATH 115)	PHYS 150+lab	4	GENS
	General Physics II (pre-reqs PHYS 150 and MATH 116)	PHYS 151+lab	4	GENS
English or Writing Composition	Writing & Rhetoric I	COMP 105 <i>or</i> COMP 110	3	GEWO
	Writing & Rhetoric II	COMP 106 <i>or</i> COMP 220	3	GEWO
Social Sciences	Introduction to Psychology	PSYC 101	3	GESB
	Understanding Society	SOC 200	3	GESB

DDC* = Dearborn Discovery Core

GENS = Natural Sciences

GEWO = Written & Oral Communication

GEWI = Upper-Level Writing Intensive

GEQT = Quantitative Thinking/Problem Solving

GESB = Social & Behavioral Analysis

GECC = Critical & Creative Thinking

Recommended additional college courses (**required** by some dental schools):

- **Art:** Any painting or drawing for fine motor skills
- **Biology:** Human Anatomy: Take in your senior year for out-of-state dental schools. Anatomy and Physiology (A&P) I (BIOL 103) and A&P IIA (BIOL 105) or A&P IIB (BIOL 305) or Advanced Human A&P and Lab (BIOL 317/318)
- ***Biology:** Histology (BIOL 310), Human Physiology- (BIOL 357), Immunology (BIOL 455) and other upper-level Biology classes, 300 level or higher, especially for UD-Mercy.
- **Business classes:** Any kind.
- **Communications:** Principles of Speech Communication (SPEE 101)
- **English:** upper-level writing composition- (COMP 327) **strongly suggested** if you test out of Comp 105 and need two English writing classes.
- **Mathematics:** Statistics (STAT 263, STAT 301 [pre-req Calc I]) Stats, **either one**, is on the **DAT**, and for out-of-state dental schools.
- **Reading Comprehension** for the **DAT:** Critical Thinking, PHIL 233

Please note: Some Dental Schools may not accept AP credit for prerequisite courses. Check with your respective schools' websites well before you apply.