

NAME: _____

ID: _____

DATE: _____

**NORTH DAKOTA STATE UNIVERSITY • COLLEGE OF AG, FOOD SYSTEMS & NATURAL RESOURCES
MICROBIOLOGY MINOR**

Requirements: 16 credits

Fall 2011

(A minimum of *eight credits* must be taken at NDSU)**Required Courses: 5 credits**

Dept	Number	Course Title	Credits	Grade	Sem/Year Completed	TR Course <input checked="" type="checkbox"/>	Transfer Institution
MICR	350	General Microbiology (Fall Only)	3				
MICR	350L	General Microbiology Lab (Fall Only)	2				

Electives: 11 credits (No more than 3 credits from MICR 370 and MICR 490 series)

Dept	Number	Course Title	Credits	Grade	Sem/Year Completed	TR Course <input checked="" type="checkbox"/>	Transfer Institution
BIOC	487	Molecular Biology of Gene Expression	3				
MLS	435	Hematology (S) <i>(Pending)</i>	2				
MICR	379	Study Abroad	1-3				
MICR	370	Beef Cattle Health Management	1				
MICR	371	Dairy Cattle Health Management	1				
MICR	372	Sheep Health Management	1				
MICR	373	Equine Health Management	1				
MICR	374	Swine Health Management	1				
MICR	375	Bison Health Management	1				
MICR	376	Feline Health Management	1				
MICR	377	Canine Health Management	1				
MICR	445	Animal Cell Culture Techniques (S)	2				
MICR	452	Microbial Ecology (F)	3				
MICR	453	Food Microbiology (F)	3				
MICR	454	Bioprocessing	3				
MICR	460	Pathogenic Microbiology (S)	3				
MICR	460L	Pathogenic Microbiology Lab (S)	2				
MICR	463	Clinical Parasitology (S)	2				
MICR	464	Etiology of Foodborne Illness (F)	3				
MICR	465	Fundamentals of Animal Disease (F)	3				
MICR	470	Basic Immunology (F)	3				
MICR	471L	Immunology & Serology Lab (F)	2				
MICR	472	Clinical Immunology	3				
MICR	474	Epidemiology (S) (see SAFE)	3				
MICR	475	Animal Virology (S)	3				
MICR	480	Bacterial Physiology (S)	3				
MICR	482	Bacterial Genetics & Phage (F)	3				
MICR	491	Seminar	1				
MICR	494	Individual Study	1-3				
MICR	496	Field Experience	1-3				
MICR	499	Special Topics	1-3				
PPTH	460	Fungal Biology (F) – even years	3				

Students must earn a 2.5 minimum GPA with a grade of "C" or higher in all courses

Be sure to officially declare your minor by completing the **Change of Undergraduate Major, Minor, Certificate or Advisor** form and submitting to Bison Connection or Registration and Records. This form is not used to declare your minor intent.