

Statistics (MR): Statistical Genetics Concentration

Degree Requirements

Code	Title	Hours	Counts towards
Core Courses			21
ST 501	Fundamentals of Statistical Inference I		
ST 502	Fundamentals of Statistical Inference II		
ST 503	Fundamentals of Linear Models and Regression		
ST 542	Statistical Practice		
ST 555	Statistical Programming I		
ST 517 & ST 518	Applied Statistical Methods I and Applied Statistical Methods II		

Concentration Requirements

Code	Title	Hours	Counts towards
Required Courses			9
Select one of the following:			
ST 520	Statistical Principles of Clinical Trials		
ST 540	Applied Bayesian Analysis		
ST 711			
ST 744			
ST 745	Analysis of Survival Data		
Select six credit hours of the following:			
ST 721	Genetic Data Analysis		
ST 590	Special Topics (Introduction to Bioinformatics)		
ST 590	Special Topics (Bioinformatics II)		
GN 703	Population and Quantitative Genetics		

ST/GN 756	Computational Molecular Evolution
ST/GN 757	Quantitative Genetics Theory and Methods

Total Hours **30**

Faculty

Department Head

K. Sellers

Associate Department Heads

E. Griffith

W. Lu

Director of Statistics Graduate Programs

W. Lu

Director of Statistics Undergraduate Programs

S. Muse

Director of Online Programs

J. Post

Director of Bioinformatics Research Center

F. Wright

Director of Bioinformatics Graduate Program

S. Muse

R.A. Fisher Distinguished Professor of Statistics

L. Stefanski

J. Stuart Hunter Distinguished Professor

M. Davidian

Cox Distinguished Professor of Statistics

B. Reich

Alumni Distinguished Graduate Professors

M. Davidian

A. Wilson

Alumni Distinguished Undergraduate Professors

T. Reiland

Goodnight Innovation Distinguished Professor

F. Wright

University Distinguished Professor

S. Ghoshal

Professors

D.D. Boos

M. Davidian

S. Ghosal

S.K. Ghosh

K. Gross

M. Gumpertz

W. Lu

A. Maity

R. Martin

S. Muse

J. Osborne

B. Reich

K. Sellers

A. Staicu

L.A. Stefanski

J.-Y. Tzeng

A. Wilson

F. Wright

D. Zhang

Associate Professors

J. Jeng

D. Martin

T.W. Reiland

E. Schliep

S. Sengupta

C.E. Smith

J. Stallrich

L. Xiao

S. Yang

Assistant Professors

A. Booth

E. Hector

N. Josephs

L. Opperman

M. Tang

J. Williams

Teaching Associate Professors

J. Duggins

H. McGowan

J. Post

P. Savariappan

Teaching Assistant Professors

J. Duggins

L. Opperman

S. Wang

Associate Professor of the Practice

E. Griffith

Lecturers

D.Harris

R. Danaher

T. Johnson

M. Winters

Professor Emeriti

P. Bloomfield

D. Dickey

T. Gerig

M. Gumpertz

J. Hughes-Oliver

J. Monahan

W. Swallow

J. Thorne

A. Tsiatis

Associate and Adjunct Faculty

H. Bondell

J. Guinness

I. Ipsen

A. Motsinger-Reif

Y. Zhou