

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Agriculture Education

Last Updated: Spring 2013

<b>A</b> <b>Qualifying Terminal Degree in Field</b>	<b>B</b> <b>Related Fields in which Terminal Degree May Be Acceptable (depending on course)</b>	<b>C</b> <b>Qualifying Master's Degree</b>	<b>D</b> <b>Qualifying Bachelor's Degree</b>	<b>E</b> <b>Qualifying Certifications or Licensures, etc.</b>	<b>F</b> <b>Other Qualifications</b>	<b>Course Prefix</b>	<b>Course Subject, Level, or Type</b>	<b>Minimum Qualifications Required for Teaching</b>	<b>Additional Notes</b>
Ph. D in <ul style="list-style-type: none"> <li>• Reproductive Physiology</li> <li>• Dairy Science</li> <li>• Agriculture</li> </ul>	Ph. D. in Biology					AGED	GR	A or B	

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Biology

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. Biology	Ed.D. • Biology • Zoology	M.S. Biology or Microbiology	None	NA	None	BIOL	UG	C	
	Ph.D. • Biological Anthropology • Zoology • Ecology • Molecular Genetics • Oceanography • Botany • Marine Studies • Biochemistry						GR	A or B	Member Graduate Faculty

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Chemistry

Last Updated: Spring 203

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in Chemistry	<ul style="list-style-type: none"> <li>• Ph.D. in Material Science</li> <li>• Ed.D. (with 18 graduate hours in Chemistry)</li> </ul>	M.S. in Chemistry  M.Ed. (with 18 graduate hours in Chemistry)				CHEM	UG	C	
							GR	A or B	

### Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Cognitive Science

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in Cognitive Science	<ul style="list-style-type: none"> <li>• Psychology</li> <li>• Linguistics</li> <li>• Computer Science</li> <li>• Philosophy</li> </ul>	<ul style="list-style-type: none"> <li>• M.A./M.S. in Psychology</li> <li>• M.S. in Computer Science</li> <li>• M.A. in Linguistics</li> </ul>				COGS	UG	C	
							GR	A or B	

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Computer Science

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in Computer Science	<ul style="list-style-type: none"> <li>• Computer Engineering</li> <li>• Electrical Engineering</li> </ul>	M.S. in: <ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Computer Engineering</li> <li>• Electrical Engineering</li> <li>• Math</li> </ul>			- Leading Industrial and/or business position - Technology Innovator	CMPS	UG	A, C, B (with 18 graduate hours in CMPS, EECE, EE)	
							GR	A, B	

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Computer Engineering

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in Computer Engineering	<ul style="list-style-type: none"> <li>• Electrical Engineering</li> <li>• Computer Science</li> </ul>	M.S. in: <ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Computer Engineering</li> <li>• Electrical Engineering</li> <li>• Math</li> </ul>			Leading Industrial and/or business position  Technology Innovator	EECE	GR	A or B	

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Geology

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in Geology	Ph.D. in Geophysics	M.S. in Geology				GEOL	UG	C	
		M.S. in Geophysics					GR	A or B	

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Geographic Information Systems

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in Geography	Ph.D. in Geology	M.S. in Landscape Architecture		ESRI Certification in ESRI software – GIS, RS	Expertise in active sensors (radar/lidar), RS, image interpretation and mapping, land use modeling, spatial analysis, GIS, GPS and RS softwares, geoinformatics, and landscape analyses.	GIS	UG	C – six or more years of practical experience in GIS application and teaching	
							GR	C – six or more years of practical experience in GIS application and teaching	



## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Informatics

Last Updated: Summer 2013

A <b>Qualifying Terminal Degree in Field</b>	B <b>Related Fields in which Terminal Degree May Be Acceptable (depending on course)</b>	C <b>Qualifying Master's Degree</b>	D <b>Qualifying Bachelor's Degree</b>	E <b>Qualifying Certifications or Licensures, etc.</b>	F <b>Other Qualifications</b>	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in <ul style="list-style-type: none"> <li>• Computer Science</li> <li>• Informatics</li> <li>• Management Information Systems</li> <li>• multi-disciplinary program with concentration in applied computing and/or information technology</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Engineering</li> <li>• Cognitive Science</li> <li>• Electrical Engineering</li> <li>• Information Science</li> <li>• Statistics</li> </ul>	Master of Business Administration (MBA)  M.S. in: <ul style="list-style-type: none"> <li>• Analytics</li> <li>• Computer Science</li> <li>• Computer Engineering</li> <li>• Decision Sciences</li> <li>• Electrical Engineering</li> <li>• Information Systems</li> <li>• Math</li> <li>• Statistics</li> </ul>			- Leading industrial and/or business position - Technology innovator	INFX	UG	A or B or C (with 18 graduate hours in CMPS, COGS, CSCE, EE, EECE, INFX, MBA, MIS, MATH, STAT)	
							GR	A or B or C	

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Mathematics

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in Math	<ul style="list-style-type: none"> <li>• Ph.D. in Statistics</li> <li>• Ed.D. (with 18 graduate hours in Math)</li> </ul>	<ul style="list-style-type: none"> <li>• M.S. in Math</li> <li>• M.S. in Statistics</li> <li>• M.Ed. (with 18 graduate hours in Math)</li> </ul>				MATH	UG	C	
							GR	A or B	

### Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Military Science

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
				US Army Instructors Training Course or US Army Cadet Command Course	Military experience	MLSC	UG	E*	*Instructor must be a non-commissioned officer or officer in the rank of e-7 or above

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Physics

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in <ul style="list-style-type: none"> <li>• Physics</li> <li>• Applied Physics</li> <li>• multi-disciplinary program with concentration in Physics</li> </ul>	<ul style="list-style-type: none"> <li>• Ph.D. in Engineering (with 18 graduate hours in Physics)</li> <li>• Ph.D. in "Applied"<sup>1</sup> Science (with 18 graduate hours in Physics)</li> </ul>	M.S. in Physics  M.Ed. (with 18 graduate hours in Physics)				PHYS	UG	C	<sup>1</sup> "Applied" should include: Applied, Material, Nuclear, and other disciplines closely related to Physics
			GR	A or B					

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Renewable Resources

Last Updated: Spring 2013

A <b>Qualifying Terminal Degree in Field</b>	B <b>Related Fields in which Terminal Degree May Be Acceptable (depending on course)</b>	C <b>Qualifying Master's Degree</b>	D <b>Qualifying Bachelor's Degree</b>	E <b>Qualifying Certifications or Licensures, etc.</b>	F <b>Other Qualifications</b>	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph. D in <ul style="list-style-type: none"> <li>• Reproductive Physiology</li> <li>• Agronomy</li> <li>• Dairy Science</li> <li>• Soil Science</li> <li>• Civil Engineering</li> <li>• Horticulture</li> <li>• Genetics</li> <li>• Marine Science</li> <li>• Environmental Science</li> <li>• Crop Science</li> <li>• Animal Science</li> <li>• Plant Science</li> <li>• Hydrology</li> <li>• Range Science</li> <li>• Ag. Engineering</li> <li>• Forestry</li> </ul>	<ul style="list-style-type: none"> <li>• Biology</li> <li>• Geology</li> <li>• Geography</li> </ul>	M. S. in Horticulture				RRES	UG	C	
							GR	A or B	

## Faculty Teaching Qualifications Table

College: Authement College of Sciences

Subject: Sciences

Last Updated: Spring 2013

A Qualifying Terminal Degree in Field	B Related Fields in which Terminal Degree May Be Acceptable (depending on course)	C Qualifying Master's Degree	D Qualifying Bachelor's Degree	E Qualifying Certifications or Licensures, etc.	F Other Qualifications	Course Prefix	Course Subject, Level, or Type	Minimum Qualifications Required for Teaching	Additional Notes
Ph.D. in any field		Master's Degree in any field				SCI	UG	C	This is the Intro to Science course – SCI 100