

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION CATEGORICAL SCIENCE BIOLOGY 9-12 CERTIFICATION**

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION CATEGORICAL SCIENCE BIOLOGY 9-12 CERTIFICATION
(Number in parentheses is semester credit hours) Communications (9) _____ Two courses in English Composition One course in oral Communications Global Perspectives _____ Humanities _____ Art, Music, Theatre excluding studio Literature _____ Mathematics College Level course (3) _____ Multicultural (ED 6150) _____ Philosophy _____ Science with a lab (4) _____ Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology	(Number in parentheses is semester credit hours) History and Philosophy of Science (3) _____ 20 biology hours including Animal Form and Function _____ ` _____ Biology Electives _____ Cell Biology _____ Evolution _____ Genetics _____ Plant Form and Function _____ 10 additional science hours including Chemistry _____ Earth Science _____ Environmental Science _____ Physics _____	(Number in parentheses is semester credit hours) ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3)_ _____ ED 6030 Technology and Education (3) _____ ED 6150 Field Experience and Action (3) _____ Research _____ ED 6400 Advanced Psychological (3) _____ Foundations _____ ED 6450 Foundations of Special Education (3)_____ _____ ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education _____ ED 3250 Teaching Middle and (3) _____ Secondary School Science _____ ED 7850 Student Teaching in the (10) _____ Secondary School _____ ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ **has completed all above requirements.** _____

Student Name

Advisor signature and date

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION UNIFIED SCIENCE BIOLOGY 9-12 CERTIFICATION**

*This certificate will allow you to teach any level Biology course as well as introductory Chemistry and Physics courses.

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION UNIFIED SCIENCE BIOLOGY 9-12 CERTIFICATION
(Number in parentheses is semester credit hours) Communications (9) _____ Two courses in English Composition One course in oral Communications Global Perspectives _____ Humanities _____ Art, Music, Theatre excluding studio _____ Literature _____ Mathematics College Level course (3) _____ Multicultural (ED 6150) _____ Philosophy _____ Science with a lab (4) _____ Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology	History and Philosophy of Science (3 hrs) _____ Biology (8 hours) _____ includes botany and zoology with labs Chemistry with labs (8 hours) _____ Earth Science (8 hours) _____ includes geology and meteorology Environmental Science (4 hours) _____ Physics with labs (8 hours) _____ 20 additional biology hours including _____ anatomy and physiology, botany, cell/biochemistry, ecology, evolution, genetics, microbiology, zoology.	(Number in parentheses is semester credit hours) ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3) _____ ED 6030 Technology and Education (3) _____ ED 6150 Field Experience and Action (3) _____ Research ED 6400 Advanced Psychological (3) _____ Foundations ED 6450 Foundations of Special Education (3) _____ ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education ED 3250 Teaching Middle and (3) _____ Secondary School Science ED 7850 Student Teaching in the (10) _____ Secondary School ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ has completed all above requirements. _____
 Student Name Advisor signature and date

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION BUSINESS 9-12 CERTIFICATION**

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION BUSINESS 9-12 CERTIFICATION
(Number in parentheses is semester credit hours)	Accounting (3 hours) _____	(Number in parentheses is semester credit hours)	
Communications (9) _____ Two courses in English Composition One course in oral Communications	Business Communications (2 hours) _____	ED 6010 Foundations of Education (3) _____	
Global Perspectives _____	Business Consumer Related Law (2 hours) _____	ED 6020 Fundamentals of Literacy Learning (3) _____	
Humanities _____ Art, Music, Theatre excluding studio Literature _____	Economics (2 hours) _____	ED 6030 Technology and Education (3) _____	
Mathematics College Level course (3) _____	Keyboarding (2 hours) _____	ED 6150 Field Experience and Action (3) _____ Research	
Multicultural (ED 6150) _____	Management (2 hours) _____	ED 6400 Advanced Psychological (3) _____ Foundations	
Philosophy _____	Marketing (2 hours) _____	ED 6450 Foundations of Special Education(3) _____	
Science with a lab (4) _____	Electives (0-6 hours) _____	ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education	
Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology	Computer Emerging Technology (9 hours) _____ (ED 6030 may be counted as 3 of these 9 hours if needed)	ED 3850 Teaching Secondary School (3) _____ Business	
	ED 6030 Technology & Education (3) _____	ED 7850 Student Teaching in the (10) _____ Secondary School	
		ED 7900 Student Teaching Seminar (3) _____	
		ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ **has completed all above requirements.** _____
Student Name **Advisor signature and date**

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION CATEGORICAL SCIENCE CHEMISTRY 9-12 CERTIFICATION**

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION CATEGORICAL SCIENCE CHEMISTRY 9-12 CERTIFICATION
(Number in parentheses is semester credit hours) Communications (9) _____ Two courses in English Composition One course in oral Communications Global Perspectives _____ Humanities _____ Art, Music, Theatre excluding studio Literature _____ Mathematics College Level course (3) _____ Multicultural (ED 6150) _____ Philosophy _____ Science with a lab (4) _____ Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology	History and Philosophy of Science (3 hrs) _____ 20 chemistry hours including Analytical Chemistry _____ Biochemistry _____ Chemistry Electives _____ Inorganic Chemistry _____ Organic Chemistry _____ Physical Chemistry _____ 10 science hours including Biology _____ Earth Science _____ Environmental Science _____ Physics _____	(Number in parentheses is semester credit hours) ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3) _____ ED 6030 Technology and Education (3) _____ ED 6150 Field Experience and Action (3) _____ Research ED 6400 Advanced Psychological (3) _____ Foundations ED 6450 Foundations of Special Education (3) _____ ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education ED 3250 Teaching Middle and (3) _____ Secondary School Science ED 7850 Student Teaching in the (10) _____ Secondary School ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ has completed all above requirements. _____

Student Name

Advisor signature and date

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION UNIFIED SCIENCE CHEMISTRY 9-12 CERTIFICATION**

*This certificate will allow you to teach any level Chemistry course as well as introductory Biology and Physics courses.

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION UNIFIED SCIENCE CHEMISTRY 9-12 CERTIFICATION
(Number in parentheses is semester credit hours)	History and Philosophy of Science (3 hrs) _____	(Number in parentheses is semester credit hours)	
Communications (9) _____ Two courses in English Composition One course in oral Communications	Biology (8 hours) _____ includes botany and zoology with labs	ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3) _____	
Global Perspectives _____	Chemistry with labs (8 hours) _____	ED 6030 Technology and Education (3) _____	
Humanities _____ Art, Music, Theatre excluding studio Literature _____	Earth Science (8 hours) _____ includes geology and meteorology	ED 6150 Field Experience and Action (3) _____ Research	
Mathematics College Level course (3) _____	Environmental Science (4 hours) _____	ED 6400 Advanced Psychological (3) _____ Foundations	
Multicultural (ED 6150) _____	Physics with labs (8 hours) _____	ED 6450 Foundations of Special Education(3) _____	
Philosophy _____	20 additional chemistry hours including advanced analysis, biochemistry, environmental chemistry, organic chemistry, physical chemistry, qualitative analysis, quantitative analysis.	ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education	
Science with a lab (4) _____		ED 3250 Teaching Middle and (3) _____ Secondary School Science	
Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology		ED 7850 Student Teaching in the (10) _____ Secondary School ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ **has completed all above requirements.** _____

Student Name

Advisor signature and date

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
FRENCH K-12 CERTIFICATION**

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER FRENCH K-12 CERTIFICATION
(Number in parentheses is semester credit hours)	30 French hours or 27 + two high school units	(Number in parentheses is semester credit hours)	
Communications (9) _____ Two courses in English Composition One course in oral Communications		ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3) _____	
Global Perspectives _____		ED 6030 Technology and Education (3) _____	
Humanities _____ Art, Music, Theatre excluding studio Literature _____		ED 6150 Field Experience and Action (3) _____ Research	
Mathematics College Level course (3) _____		ED 6400 Advanced Psychological (3) _____ Foundations	
Multicultural (ED 6150) _____		ED 6450 Foundations of Special Education (3) _____	
Philosophy _____		ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education	
Science with a lab (4) _____		ED 3770 Teaching Foreign Language (3) _____	
Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology		ED 7850 Student Teaching in the (10) _____ Secondary School ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ **has completed all above requirements.** _____
Student Name
Advisor signature and date

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION MATHEMATICS 9-12 CERTIFICATION**

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION MATHEMATICS 9-12 CERTIFICATION
<p>(Number in parentheses is semester credit hours)</p> <p>Communications (9) _____ Two courses in English Composition One course in oral Communications</p> <p>Global Perspectives _____</p> <p>Humanities _____ Art, Music, Theatre excluding studio Literature _____</p> <p>Mathematics College Level course (3) _____</p> <p>Multicultural (ED 6150) _____</p> <p>Philosophy _____</p> <p>Science with a lab (4) _____</p> <p>Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology</p>	<p>Algebraic Structures (3 hours) _____</p> <p>Calculus and Analytical Geometry (8 hours) _____</p> <p>Computer Science (2 hours) _____</p> <p>Geometry (3 hours) _____</p> <p>Electives (4 hours) _____</p> <p>10 additional mathematics hours from at least _____ three of the following areas: History of mathematics, structure of the real number system, number theory, completion of Calculus sequence, probability and statistics, computer science, mathematics for exceptional children, linear algebra</p>	<p>(Number in parentheses is semester credit hours)</p> <p>ED 6010 Foundations of Education (3) _____</p> <p>ED 6020 Fundamentals of Literacy Learning (3) _____</p> <p>ED 6030 Technology and Education (3) _____</p> <p>ED 6150 Field Experience and Action (3) _____ Research</p> <p>ED 6400 Advanced Psychological (3) _____ Foundations</p> <p>ED 6450 Foundations of Special Education (3) _____</p> <p>ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education</p> <p>ED 3150 Teaching Middle and (3) _____ Secondary School Mathematics</p> <p>ED 7850 Student Teaching in the (10) _____ Secondary School</p> <p>ED 7900 Student Teaching Seminar (3) _____</p> <p>ED 7910 Professional Semester Portfolio (1) _____</p>	

I verify _____ has completed all above requirements. _____
Student Name
Advisor signature and date

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION CATEGORICAL SCIENCE PHYSICS 9-12 CERTIFICATION**

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION CATEGORICAL SCIENCE PHYSICS 9-12 CERTIFICATION
(Number in parentheses is semester credit hours) Communications (9) _____ Two courses in English Composition One course in oral Communications Global Perspectives _____ Humanities _____ Art, Music, Theatre excluding studio _____ Literature _____ Mathematics College Level course (3) _____ Multicultural (ED 6150) _____ Philosophy _____ Science with a lab (4) _____ Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology	History and Philosophy of Science (3 hrs) _____ 20 physics hours including Atomic or Modern Physics _____ Electricity and Magnetism _____ Heat, Sound, and Light _____ Mechanics _____ Physics Electives _____ 10 additional science hours including Biology _____ Chemistry _____ Earth Science _____ Environmental Science _____	(Number in parentheses is semester credit hours) ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3) _____ ED 6030 Technology and Education (3) _____ ED 6150 Field Experience and Action (3) _____ Research ED 6400 Advanced Psychological (3) _____ Foundations ED 6450 Foundations of Special Education (3) _____ ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education ED 3250 Teaching Middle and (3) _____ Secondary School Science ED 7850 Student Teaching in the (10) _____ Secondary School ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ **has completed all above requirements.** _____
Student Name **Advisor signature and date**

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION UNIFIED SCIENCE PHYSICS 9-12 CERTIFICATION**

*This certificate will allow you to teach any level Physics course as well as introductory Biology and Chemistry courses.

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION UNIFIED SCIENCE PHYSICS 9-12 CERTIFICATION
(Number in parentheses is semester credit hours) Communications (9) _____ Two courses in English Composition One course in oral Communications Global Perspectives _____ Humanities _____ Art, Music, Theatre excluding studio _____ Literature _____ Mathematics College Level course (3) _____ Multicultural (ED 6150) _____ Philosophy _____ Science with a lab (4) _____ Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology	History and Philosophy of Science (3 hrs) _____ Biology (8 hours) _____ includes botany and zoology with labs Chemistry with labs (8 hours) _____ Earth Science (8 hours) _____ includes geology and meteorology with lab s Environmental Science (4 hours) _____ Physics with labs (8 hours) _____ 20 additional physics hours including Atomic/nuclear physics, electricity/magnetism, health physics, heat/thermodynamics, optics, quantum physics, statistics/mechanics	(Number in parentheses is semester credit hours) ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3)_ _____ ED 6030 Technology and Education (3) _____ ED 6150 Field Experience and Action (3) _____ Research ED 6400 Advanced Psychological (3) _____ Foundations ED 6450 Foundations of Special Education (3)____ ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education ED 3250 Teaching Middle and (3) _____ Secondary School Science ED 7850 Student Teaching in the (10) _____ Secondary School ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ has completed all above requirements. _____
Student Name **Advisor signature and date**

**ROCKHURST UNIVERSITY MASTER OF EDUCATION PROGRAM
SECONDARY EDUCATION SOCIAL SCIENCE 9-12 CERTIFICATION**

STUDENT NAME: _____ **ADVISOR:** _____

ROCKHURST UNIVERSITY CERTIFICATION REQUIREMENTS	MISSOURI CERTIFICATION SUBJECT MATTER REQUIREMENTS	ROCKHURST UNIVERSITY PROFESSIONAL REQUIREMENTS	MASTER SECONDARY EDUCATION SOCIAL SCIENCE 9-12 CERTIFICATION
(Number in parentheses is semester credit hours) Communications (9) _____ Two courses in English Composition One course in oral Communications Global Perspectives _____ Humanities _____ Art, Music, Theatre excluding studio Literature _____ Mathematics College Level course (3) _____ Multicultural (ED 6150) _____ Philosophy _____ Science with a lab (4) _____ Social Science (6) _____ At least one course in history One additional course in American government Anthropology Economics Political Science Psychology Sociology	Behavioral Science (anthropology, psychology, or sociology; 6 hours) _____ Economics (3 hours) _____ Elective Social Studies (2 hours) _____ Geography (3 hours) _____ Political Science; State and U.S. Government (6 hours) _____ U.S. History (12 hours) _____ World History (8 hours) _____	(Number in parentheses is semester credit hours) ED 6010 Foundations of Education (3) _____ ED 6020 Fundamentals of Literacy Learning (3) _____ ED 6030 Technology and Education (3) _____ ED 6150 Field Experience and Action (3) _____ Research ED 6400 Advanced Psychological (3) _____ Foundations ED 6450 Foundations of Special Education (3) _____ ED 6500 Curriculum, Methods, and (3) _____ Assessment in Middle and Secondary Education ED 3350 Teaching Middle and (3) _____ Secondary School Social Studies ED 7850 Student Teaching in the (10) _____ Secondary School ED 7900 Student Teaching Seminar (3) _____ ED 7910 Professional Semester Portfolio (1) _____	

I verify _____ **has completed all above requirements.** _____
Student Name **Advisor signature and date**

