North Carolina State University

And

The North Carolina School of Science and Mathematics

Articulation Agreement

This document, when signed by all parties, serves as a formal agreement between North Carolina State University (hereinafter NCSU) and the North Carolina School of Science and Mathematics (hereinafter NCSSM). All conditions of the agreement must be met before students may apply for credit with NCSU.

General Conditions

1. This Articulation Agreement is in perpetuity or until it is cancelled by either educational partner by submitting written notification to the other partner one year prior to the identified cancellation date in order to protect all students from NCSSM that have applied or been admitted to North Carolina State University prior to the cancellation date. In addition, cancellation shall not be applied retroactively, i.e. students who have already received credit for course substitutions would not lose the credit for those substitutions.

2. Amendments to this agreement require approval by both parties.

3. The courses of study subject to this agreement may be expanded from time to time by addendum mutually agreeable to both parties.

4. Faculty employed by NCSSM must meet stated professional credential requirements set forth by the Southern Association of Colleges and Schools which govern the acceptability of course work taught and accepted for transfer credit by colleges and universities.

5. NCSSM must submit a course portfolio to include, but not limited to, examinations and other course documents, for review by NCSU annually or upon request.

6. NCSSM will provide an opportunity for NCSU faculty to observe course instruction.

7. Students must apply for admission and be admitted to NCSU in order to apply for articulated credit as outlined in this agreement.

8. Students will be granted credit based on the course equivalencies and related requirements listed in this agreement. Students will be granted credit only—no grade will be issued. It is

required, however, that students have received a grade of B or above in the NCSSM course for which NCSU credit is being granted. (Note: grades of B- in NCSSM courses are not acceptable.)

9. Upon acceptance to NCSU, students must have their final transcript sent to the Office of Undergraduate Admissions for articulation of the appropriate credits. This should take place before the student registers to eliminate any problems with course credit.

By signature below, North Carolina State University and the North Carolina School of Science and Mathematics affirm that course equivalencies in Appendix I may be articulated as transfer credit beginning in the 2009 Fall Semester, provided that all conditions of this agreement are met. The signature of each Division Chair signifies their agreement in Appendix I as it applies to their content area only.

_____	_____
Warwick A. Arden Provost, NCSU	Stephen J. Warshaw Vice Chancellor of Academic Programs, NCSSM

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY &
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

BIOLOGY

NCSSM COURSE(S)	CONDITION(S)	NCSU COURSE
BI434 (AP Biology (I)) + BI436 (AP Biology (II)) + BI438 (AP Biology (III))	Grade of B or above in each NCSSM Course	BIO181 (Introductory Biology: Ecology, Evolution, and Biodiversity) + BIO183 (Introductory Biology: Cellular and Molecular Biology)

_____
Damian Shea
Head, Department of Biology, NCSU

_____
Amy Sheck
Dean of Science, NCSSM

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY &
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

CHEMISTRY

NCSSM COURSE(S)	CONDITION(S)	NCSU COURSE
CH401 (AP Chemistry (I)) + CH402 (AP Chemistry (II))	Grade of B or above in each NCSSM Course	CH101 (Chemistry – A Molecular Science) + CH102 (General Chemistry Laboratory) + CH201 (General Chemistry – A Quantitative Science) + CH202 (Quantitative Chemistry Laboratory)
CH405 (AP Chemistry (Advanced I)) + CH406 (AP Chemistry (Advanced II))	Grade of B or above in each NCSSM Course	CH101 (Chemistry – A Molecular Science) + CH102 (General Chemistry Laboratory) + CH201 (Chemistry – A Quantitative Science) + CH202 (Quantitative Chemistry Laboratory)
CH424 (Chemistry Advanced Online) + CH426 (AP Chemistry Online)	Grade of B or above in each NCSSM Course	CH101 (Chemistry – A Molecular Science) + CH102 (General Chemistry Laboratory) + CH201 (Chemistry – A Quantitative Science) + CH202 (Quantitative Chemistry Laboratory)

Morteza Khaledi
Chair, Department of Chemistry, NCSU

Amy Sheck
Dean of Science, NCSSM

PROPOSED ARTICULATION AGREEMENT
NORTH CAROLINA STATE UNIVERSITY
&
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

ENVIRONMENTAL SCIENCE

NCSSM Courses	Condition(s)	NCSU Course
BI424 (AP Environmental Science (I)) + BI426 (AP Environmental Science (II))	Grade of B or above in each NCSSM course	MEA 100
BI430 (Environmental Science (Advanced Online)) + BI432 (AP Environmental Science (Online))	Grade of B or above in each NCSSM course	MEA 100

Carrie J. Thomas
Director of Undergraduate Studies, NCSU

Amy Sheck
Dean of Science, NCSSM

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY & THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

MATHEMATICS

NCSSM COURSE(S)	CONDITION(S)	NCSU COURSE
MA480 (Vector Functions and Partial Derivatives) + MA482 (Multiple Integrals and Vector Fields)	Grade of B or above in each NCSSM Course	MA242 (Calculus III)
MA484 (Applications of Calculus) + MA486 (Partial Derivatives and Vector Fields)	Grade of B or above in each NCSSM Course	MA242 (Calculus III)
MA420 (AP Calculus BC (I): Contemporary Calculus) + MA422 (AP Calculus BC (II): Contemporary Calculus) + MA424 (AP Calculus BC III: Contemporary Calculus)	Grade of B or above in each NCSSM Course	MA141 (Calculus I) + MA241 (Calculus II)
MA416 (AP Calculus AB) + MA426 (AP Calculus BC)	Grade of B or above in each NCSSM Course	MA141 (Calculus I) + MA241 (Calculus II)
MA432 (AP Calculus BC (Advanced Topics II): Contemporary Calculus) + MA434 (AP Calculus BC (Advanced Topics III): Contemporary Calculus)	Grade of B or above in each NCSSM Course	MA141 (Calculus I) + MA241 (Calculus II)
MA466 (Graph Theory and Networks) + MA464 (Combinatorics and Game Theory)	Grade of B or above in each NCSSM Course	MA416 (Introduction to Combinatorics)

The two institutions will explore NCSU course equivalencies for NCSSM's MA454 and MA462 for students who enter NCSU in Summer/Fall 2010.

Aloysius Helminck Head, Department of Mathematics, NCSU	Donita Robinson Dean of Mathematics, NCSSM

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY &
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

PHYSICS

NCSSM COURSE(S)	CONDITION(S)	NCSU COURSE
PH355 Physics with Advanced Topics	Grade of B or above in each NCSSM Course	PY211 (College Physics I)
PH403 (AP Physics B (Web))	Grade of B or above in each NCSSM Course	PY211 (College Physics I) + PY212 (College Physics II)
PH404 (AP Physics C: Mechanics (I)) + PH406 (AP Physics C: Mechanics (II) and Electricity and Magnetism (I)) + PH408 (Electricity and Magnetism (II))	Grade of B or above in each NCSSM Course	PY201 (University Physics I) + PY202 (University Physics II) OR PY205 (Physics for Engineers and Scientists I) + PY208 (Physics for Engineers and Scientists II)
PH418 (Astrophysics) + PH420 (Galaxies and Cosmology)	Grade of B or above in each NCSSM Course	PY123 (Stellar and Galactic Astronomy) + PY125 (Astronomy Laboratory)

Michael Paesler
Head, Department of Physics, NCSU

Amy Sheck
Dean of Science, NCSSM

*Revised February 27, 2009

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY &
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

STATISTICS

NCSSM COURSE(S)	CONDITION(S)	NCSU COURSE
MA404 (AP Statistics (I)) + MA406 (AP Statistics (II)) + MA408 (AP Statistics (III))	Grade of B or above in each NCSSM Course	ST311 (Introduction to Statistics)
MA440 (AP Statistics (Advanced Topics I)) + MA442 (AP Statistics (Advanced Topics II)) + MA444 (AP Statistics (Advanced Topics III))	Grade of B or above in each NCSSM Course	ST370 (Probability and Statistics For Engineers)

Sastry Pantula
Head, Department of Statistics, NCSU

Donita Robinson
Dean of Mathematics, NCSSM

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY &
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

FRENCH

NCSSM COURSES	CONDITIONS	NCSU COURSE(S)
FR307 Intermediate French + FR354 Advanced French I + FR356 Advanced French II + FR358 Advanced French III	Grade of B or above in each NCSSM course	FLF 202 Intermediate French II, 3 credits
FR404 Modern French Readings and Media (I) + FR406 Modern French Readings II and Media (II) + FR408Modern French Readings and Media (III)	Grade of B or better in each NCSSM course	FLF 308 Advanced Conversation: Contemporary French Cultures, 3 credits

Ruth Gross
Head, Department of Foreign Languages & Literatures, NCSU

Elizabeth Moose
Dean of Humanities, NCSSM

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY &
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

LATIN

NCSSM COURSES	CONDITIONS	NCSU COURSE(S)
LA 307 Intermediate Latin + LA 404 Advanced Latin Poetry (I) + LA 406 Advanced Latin Poetry (II) + LA 408 Advanced Latin Poetry (III)	Grade of B or above in each NCSSM course	LAT 202 Intermediate Latin II, 3 credits
LA 410 Advanced Latin Prose (I) + LA 412 Advanced Latin Prose (II) + LA 414 Advanced Latin Prose (III)	Grade of B or better in each NCSSM course	FL 295 Special Topics in Foreign Languages and Literatures, 3 credits

Ruth Gross
Head, Department of Foreign Languages & Literatures, NCSU

Elizabeth Moose
Dean of Humanities, NCSSM

APPENDIX

ARTICULATION AGREEMENT

NORTH CAROLINA STATE UNIVERSITY &
THE NORTH CAROLINA SCHOOL OF SCIENCE AND MATHEMATICS

SPANISH

NCSSM COURSES	CONDITIONS	NCSU COURSE(S)
SP 307 Intermediate Spanish + SP 352 Intermediate Spanish with Readings	Grade of B or above in each NCSSM course	FLS 202 Intermediate Spanish II, 3 credits
SP 354 Advanced Spanish (I) + SP 356 Advanced Spanish (II) + SP 358 Advanced Spanish (III)	Grade of B or better in each NCSSM course	FLS 331 Spanish Oral and Written Expression I, 3 credits
SP 454 Advanced Readings in Spanish (I) + SP 456 Advanced Readings in Spanish (I)) + SP 458 Advanced Readings in Spanish (I)	Grade of B or better in each NCSSM course	FLS 340 Intro to Hispanic Literature and Culture, 3 credits

Ruth Gross
Head, Department of Foreign
Languages & Literatures, NCSU

Elizabeth Moose
Dean of Humanities, NCSSM