

**Inver Hills Community College
and Metropolitan State University
First College
Cooperative Agreement Regarding:
Aviation A.S.**

Air Traffic Control, Business Aviation, Professional Pilot

This agreement has been entered into by Inver Hills Community College and Metropolitan State University (First College) for the benefit of students and prospective students at the two institutions. The purpose of the agreement is to insure programs of high academic quality, to encourage student achievement, to facilitate the transfer of course credits and to provide a smooth transition from one related degree program to another.

Joint Admission

Students may be jointly admitted to both institutions. With joint admissions, students:

1. are guaranteed a place in Metropolitan State University's First College, upon transfer from Inver Hills Community College Aviation Programs;
2. can concurrently enroll in courses at both institutions;
3. can apply appropriate lower division credits, including those awarded through Competence Based Education, with a grade of better than "D" (or the equivalent), toward Metropolitan State University degree requirements;
4. will have access to program advisors at both institutions; and
5. will have any other rights and privileges of students at both institutions and will be sent mailings from both institutions.

Program Articulation

1. For graduation, students will need to complete a total of 124 semester credits including at least 41 upper division credits. A minimum of 30 semester credits must be completed while at Metropolitan State University.
2. The courses required for the Aviation Programs at Inver Hills Community College and their relationship to Metropolitan State requirements are listed in Attachments A, B and C.

- 3. Students with an Associate of Arts degree from a MnSCU institution or students who have completed the Minnesota Transfer Curriculum do not have to complete any additional general education requirements.
- 4. Community college courses will be accepted toward meeting Metropolitan State University general education requirements consistent with Attachments A, B and C. Attachments also include recommendations for general education curriculum at the community college.
- 5. All Metropolitan State students must complete eight upper-division credits of liberal studies course work.

Other Cooperative Agreements

- 1. Faculty at both institutions will cooperate in scheduling course offerings in a convenient, flexible manner. The resources of both institutions, including faculty and space, will be used in a manner that enhances the educational opportunities available to students.
- 2. When appropriate, each institution will offer jointly sponsored courses – courses taught by faculty from one institution but listed in the schedule of both institutions.
- 3. Unless otherwise arranged, any tuition, fees, and state appropriation will be paid to the institution from which the student takes a course.
- 4. Both institutions will work together to develop registration and financial aid procedures to facilitate concurrent enrollment of students.
- 5. At the end of each semester, each institution will forward to the other institution copies of transcripts from students in this program.
- 6. Both institutions will inform potential students about this program through their catalogs and a program brochure to be jointly developed.

Duration of Agreement

This agreement becomes effective upon the date it is signed and remains in effect until terminated by either party. It may be terminated or amended for succeeding academic years by either institution on or before June 30 of each year.

Persons Responsible/Evaluation

The dean of the First College at Metropolitan State University and the Aviation Program Director at Inver Hills Community College will be responsible for implementing this articulation agreement. Each institution will conduct an outcomes assessment, and the persons responsible will meet regularly to review the agreements.

Metropolitan State University

Inver Hills Community College

William A. Bradburn 9/23/03
President Date

Cheryl Trout 8/20/03
President Date

[Signature] 10/9/03
Vice President Date

Suzanne S. [Signature] 8/19/03
Dean Date

[Signature] 9/13/03
Dean Date

[Signature] 8-19-03
Director Date

Chet Meyers 9/17/03
Department Chair Date

**Inver Hills Community College
and Metropolitan State University
First College
Cooperative Agreement Regarding:
Aviation A.S.
Air Traffic Control**

The following includes specific requirements for admission into a program and outlines the requirements for Metropolitan State University's First College and indicates the Inver Hills Community College courses that can be used to meet: 1) program prerequisites, 2) general education and liberal studies requirements, and 3) major or program requirements.

**Inver Hills Community College
Courses**

Admissions Requirements
Application & Assessment Inventory

**Metropolitan State University
Courses**

Application & Reading, Writing &
Math Diagnostic Tests

Prerequisites

None

None

General Education/Liberal Studies
Requirements

Students complete 40 credits for
General Education and 8 liberal studies
credits (300-400 level) as needed in the
following 10 goal areas:

Goal I Written & Oral Comm.

Goal I Written & Oral Comm.

2 writing courses - 6 or more credits
1 oral/visual course - 3 or more credits

ENG 1108 WriVResearch Skills - 4 cr.

1 writing course met by ENG 1108

ENG 1111 Research Writing in the
Discipline - 2 cr.

1 writing course met by ENG 1111

SPCH 1110 Fund. of Speech - 3 cr.
(Or SPCH 1100 – 3 cr. - Goal VII)

OralN isual course met by SPCH 1110

Goal II Higher Order Thinking

Goal II Higher Order Thinking
Students who complete the University's
general education requirements will
have met this goal.

Goal III Natural & Physical Science

Goal III Natural & Physical Science
3 or more credits

PHYS 1030 Descriptive Physics – 4 cr.

Meets goal

Goal IV Mathematics/Symbolic
Systems

Goal IV Mathematics/Symbolic
Systems
3 or more credits at or above college
algebra level

Math 1100 or higher – 3 cr.

Meets goal

Goal V History, Social &
Behavioral

Goal V History, Social &
Behavioral
2 disciplines – 6 or more credits

GEOG 1115 Human Geography – 4 cr.
OR GEOG 1120 Global Economic
Geography – 3 cr.

Meets 1 discipline

PSYC 1101 Gen. Psychology – 4 cr.

Meets 1 discipline

Goal VI Humanities & Fine Arts

Goal VI Humanities & Fine Arts
2 disciplines – 6 or more credits

Fine Arts/Humanities Elective – 3 cr.

Meets 1 discipline

Goal VII Human Diversity

Goal VII Human Diversity
3 or more credits

SPCH 1100 Interpersonal Comm. – 3 cr.
(Or SPCH 1110 – 3 cr. – Goal I)

Meets goal

Goal VIII Global Awareness

Goal VIII Global Awareness
3 or more credits

GEOG 1115 – 4 cr. or GEOG 1120 – 3 cr.
(Goal 5)

Meets goal

Goal IX Ethical & Civic
Responsibility

Goal IX Ethical & Civic
Responsibility
3 or more credits

Goal X People & the Environment

Goal X People & the Environment
3 or more credits

GEOG 1140 Meteorology – 4 cr.

Meets goal

General Education Electives

General Education Electives
Additional General Education credits
as needed to total 40 semester credits.
May include physical education credits.

Physical Education – 1 cr.

Liberal Studies Requirements
8 credits from upper division (300
level or above) courses in any of the
categories previously listed under
General Education.

Total: 48 Credits

Program Requirements
Inver Hills Community College
25 credits in Aviation
8 credits in Business
31 general education
Total Accepted: 64

First College Courses
Prsp 301 Educational
Philosophy and Planning – 4 credits
Prsp 499 Capstone – 4 credits
Total of 32-48 semester credits in focus
area or areas, depending on student's
educational goals. Additional elective
courses based on student's interests
and goals needed for graduation.
(Includes transfer credits from IHCC.)

**Inver Hills Community College
and Metropolitan State University
First College
Cooperative Agreement Regarding:
Aviation A.S.
Business Aviation**

The following includes specific requirements for admission into a program and outlines the requirements for Metropolitan State University's First College and indicates the Inver Hills Community College courses that can be used to meet: 1) program prerequisites, 2) general education and liberal studies requirements, and 3) major or program requirements.

**Inver Hills Community College
Courses**
Admissions Requirements
Application & Assessment Inventory

**Metropolitan State University
Courses**
Application & Reading, Writing &
Math Diagnostic Tests

Prerequisites
None

None

General Education/Liberal Studies
Requirements

Students complete 40 credits for
General Education and 8 liberal studies
credits (300-400 level) as needed in the
following 10 goal areas:

Goal I Written & Oral Comm.

Goal 1 Written & Oral Comm.
2 writing courses – 6 or more credits
1 oral/visual course – 3 or more credits

ENG 1108 Writ/Research Skills – 4 cr.
ENG 1111 Research Writing in the
Disciplines – 2 cr.
SPCH 1110 Fund. of Speech – 3 cr.
(Or SPCH 1100 -3 cr. – Goal VII)

1 writing course met by ENG 1108
1 writing course met by ENG 1111
Oral/visual course met by SPCH 1110



Goal II Higher Order Thinking

Goal II Higher Order Thinking
Students who complete the University's
general education requirements will
have met this goal.

Goal III Natural & Physical Science

Goal III Natural & Physical Science
3 or more credits

PHYS 1030 Descriptive Physics – 4

Meets goal

Goal IV Mathematics/Symbolic
Systems

Goal IV Mathematics/Symbolic
Systems
3 or more credits at or above college
algebra level

Math 1000 or higher

Meets goal

Goal V History, Social &
Behavioral

Goal V History, Social &
Behavioral
2 disciplines – 6 or more credits

ECON 1105 Princ. Of Economics I – 3 cr.

Meets 1 discipline

PSYC 1101 Gen. Psychology – 4 cr.

Meets 1 discipline

Goal VI Humanities & Fine Arts

Goal VI Humanities & Fine Arts
2 disciplines – 6 or more credits

Humanities/Fine Arts Elective – 4 cr.

Meets 1 discipline

Goal VII Human Diversity

Goal VII Human Diversity
3 or more credits

SPCH 1100 Interpersonal Comm. – 3 cr.
(Or SPCH 1110 – 3 cr. – Goal I)

Meets goal

Goal VIII Global Awareness

Goal VIII Global Awareness
3 or more credits

ECON 1106 Princ. Of Economics II – 3 cr.

Meets goal

Goal IX Ethical & Civic
Responsibility

Goal IX Ethical & Civic
Responsibility
3 or more credits

Goal X People & the Environment

Goal X People & the Environment
3 or more credits

GEOG 1140 Meteorology – 4 cr.

Meets goal

General Education Electives

General Education Electives
Additional General Education credits
as needed to total 40 semester credits.
May include physical education credits.

Liberal Studies Requirements
8 credits from upper division (300
level or above) courses in any of the
categories previously listed under
General Education.

Total: 48 Credits

Program Requirements

Inver Hills Community College
16 credits in Aviation
14 credits in Business
34 credits in General Education
Total Accepted: 64

First College Courses
Prsp 301 Education Philosophy
and Planning – 4 credits
Prsp 499 Capstone – 4 credits
Total of 32-48 semester credits in focus
area or areas, depending on student's
educational goals. Additional elective
courses based on student's interests
and goals needed for graduation.
(Includes transfer credits from IHCC.)

**Inver Hills Community College
and Metropolitan State University
First College
Cooperative Agreement Regarding:
Aviation A.S.
Professional Pilot**

The following includes specific requirements for admission into a program and outlines the requirements for Metropolitan State University's First College and indicates the Inver Hills Community College courses that can be used to meet: 1) program prerequisites, 2) general education and liberal studies requirements, and 3) major or program requirements.

**Inver Hills Community College
Courses**

Admissions Requirements
Application & Assessment Inventory

**Metropolitan State University
Courses**

Application & Reading, Writing &
Math Diagnostic Tests

Prerequisites

None

None

General Education/Liberal Studies
Requirements

Students complete 40 credits for
General Education and 8 liberal studies
credits (300-400 level) as needed in the
following 10 goal areas:

Goal I Written & Oral Comm.

Goal I Written & Oral Comm.
2 writing courses – 6 or more credits
1 oral/visual course – 3 or more credits

ENG 1108 Writ/Research Skills – 4 cr,
ENG 1111 Research Writing in the
Disciplines – 2 cr.

1 writing course met by ENG 1108

1 writing course met by ENG 1111

SPCH 1110 Fund. of Speech – 3 cr.
(Or SPCH 1100 – 3 cr. – Goal VII)

Oral/Visual course met by SPCH 1110

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Goal II Higher Order Thinking

Goal II Higher Order Thinking
Students who complete the University's general education requirements will have met this goal.

Goal III Natural & Physical Science

Goal III Natural & Physical Science
3 or more credits

PHYS 1030 Descriptive Physics - 4 cr.

Meets goal

Goal IV Mathematics/Symbolic Systems

Goal IV Mathematics/Symbolic Systems
3 or more credits at or above college algebra level

Math 1000 or higher 3-4 cr.

Meets goal

Goal V History, Social & Behavioral

Goal V History, Social & Behavioral
2 disciplines – 6 or more credits

PSYC 1101 Gen. Psychology – 4 cr.

Meets 1 discipline

Liberal Arts Elective 1-2 cr.

Goal VI Humanities & Fine Arts

Goal VI Humanities & Fine Arts
2 disciplines – 6 or more credits

Humanities/Fine Arts Elective – 4 cr.

Meets 1 discipline

Goal VII Human Diversity

Goal VII Human Diversity
3 or more credits

SPCH 1100 Interpersonal Comm. – 3 cr.
(Or SPCH 1110 – 3 cr. – Goal I)

Meets goal

Goal VIII Global Awareness

Goal VIII Global Awareness
3 or more credits

Goal IX Ethical & Civic
Responsibility

Goal IX Ethical & Civic
Responsibility
3 or more credits

Goal X People & the Environment

Goal X People & the Environment
3 or more credits

GEOG 1140 Meteorology ~ 4 cr.

Meets goal

General Education Electives

General Education Electives
Additional General Education credits
as needed to total 40 semester credits.
May include physical education.

Physical Education ~ 1 cr.

Liberal Studies Requirements
8 credits from upper division (300
level or above) courses in any of the
categories previously listed under
General Education.

Total: 48 Credits

Program Requirements
Inver Hills Community College
20 credits in Aviation
12 credits in Business
32 credits in General Education
Total Accepted: 64

First College
Prsp 301 Educational Philosophy
and Planning – 4 credits
Prsp 499 Capstone – 4 credits
Total of 32-48 semester credits in focus
area or areas, depending on student's
educational goals. Additional elective
courses based on student's interests
and goals needed for graduation.
(Includes transfer credits from IHCC.)

Inver Hills Aviation Program Requirements

Air Traffic Control A.S.

Aviation Curriculum

- AVIA 1100 Intro to Commercial Aviation – 2
- AVIA 1102 Private Pilot Ground School – 2
- AVIA 1105 Private Pilot Flight Lab – 2
- AVIA 1189 Internship – 2
- AVIA 2200 Instrument Ground – 3
- AVIA 2218 Human Factors in Flight Operations – 2
- AVIA 2222 Air Traffic Control Flight – 1
- AVIA 2250 Intro to Air Traffic Control – 2
- AVIA 2251 Air Traffic Control I – 3
- AVIA 2252 Air Traffic Control II – 3
- AVIA 2253 Air Traffic Control III – 3
- Total: 25 Credits

Business Curriculum

- BUS 1119 Working Effectively in Organizations – 3
- BUS 1112 Human Resources Management – 3
- CIS 1150 Intro to Microsoft Access – 1
- CIS 1151 Intermediate Microsoft Access – 1
- Total: 8 Credits

Business Aviation A.S.

Aviation Curriculum

- AVIA 1100 Intro to Commercial Aviation - 2
- AVIA 1102 Private Pilot Ground School – 2
- AVIA 1105 Private Pilot Flight Lab – 2
- AVIA 2210 Aviation Operations Management – 2
- AVIA 2212 Aviation Law – 2
- AVIA 2214 Air Transportation – 2
- AVIA 2216 Aviation Marketing – 2
- AVIA 2218 Human Factors in Flight Operations – 2
- Total: 16 Credits

Business Curriculum

- BUS 1101 Intro to Business in Society – 3
- ACCT 2101 Principles of Accounting I – 4
- ACCT 2102 Principles of Accounting II – 4
- CS or CIS Elective – 3
- Total: 14 Credits

Professional Pilot A.S.

Aviation Curriculum

- AVIA 1100 Intro to Commercial Aviation – 2
 - AVIA 1102 Private Pilot Ground School – 2
 - AVIA 1105 Private Pilot Flight Lab – 2
 - AVIA 2200 Instrument Ground – 3
 - AVIA 2202 Professional Pilot Flight Lab I – 2
 - AVIA 2204 Commercial Ground – 3
 - AVIA 2206 Professional Pilot Flight Lab II – 2
 - AVIA 2208 Professional Pilot Flight Lab III – 2
 - AVIA 2218 Human Factors in Flight Operations – 2
- Total: 20 Credits

Business Courses

- BUS 1101 Intro to Business in Society OR
 - BUS 1104 Principles of Marketing – 3
 - BUS 1121 Principles of Management – 3
 - ACCT 2101 Principles of Accounting I – 4
 - CS or CIS Elective – 2
- Total: 12 Credits