## **To Facilitate Interinstitutional Transfer**

Illinois Board of Higher Education

Illinois Community College Board

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- DATE: September 28, 2010
- TO: Academic Leadership
- FROM: Bob Blankenberger, Deputy Director for Academic Affairs, IBHE Elaine Johnson, Vice President Academic Affairs & Workforce Development, ICCB
- CC: Brian Durham, Senior Director for Academic Affairs & CTE, ICCB Krista Jackson, Illinois Articulation Initiative and iTransfer.org Coordinator, ISU Malinda Aiello, Director for Academic Affairs, ICCB
- RE: Formalizing the recommendations of the IAI Major Panels

To facilitate statewide transfer and provide guidance for those students who begin their community college experience undecided about a transfer destination, the public universities are being asked to formalize the acceptance of the IAI Major Panel recommendations. This formalization has been in development for the past year and the terms of that acceptance are outlined in the background section below.

The universities are strongly encouraged to accept as many of the recommendations as possible, and are asked to provide feedback to IAI staff on those majors for which approval is not possible at this time. This information will be provided to the appropriate IAI Major Panel to inform possible revisions of the recommendations.

It is understood that the Major Panel recommendations will need to be circulated to appropriate campus personnel, but a response is requested by *November 15<sup>th</sup>* in order to facilitate the development of the IAI majors' websites on which the institutional acceptance will be listed. The sites will be active starting in January 2011. After November 15<sup>th</sup>, any new submissions regarding institutional acceptance of the major recommendations will be added to the website as quickly as possible.

Please indicate all of the majors for which the following statement applies and send this response to this e-mail or to <u>Blankenberger@ibhe.org</u>.

The university agrees to the acceptance of the course recommendations of the IAI Major Panels contained in this memo for the following majors:

- \_\_\_ Business
- \_\_\_ Chemistry
- \_\_ English
- \_\_\_ History
- \_\_ Political Science
- \_\_ Sociology

## **Background:**

As we have been discussing this past year, the Illinois Community College Board and the Illinois Board of Higher Education are working to formalize the acceptance of the course recommendations of the IAI Major Panels. The current IAI and institutional transfer and articulation agreements work well for most students, particularly for program to program articulation agreements. However, the system could do more, especially for those students who enter community colleges with an intended major, but without an intended transfer destination.

Several principles are guiding this process:

- Community colleges and public universities are equal partners in delivery of the first two years of post-secondary education and should work to make student transition from one institution to the other as effective as possible.
- Recognizing that students who are undecided about their transfer destination will have more challenges, they should be given guidance as to what to take at the freshman/sophomore level to put them in a position after transfer that is as close as possible to the native student at a four year institution. Public universities have a responsibility to provide clear information so that when the transfer decision is made, students can maximize use of their courses.
- Existing transfer agreements should still be the primary path for student transfer once a student decides on the intended transfer destination. Because of differences in mission across four-year institutions, content of majors may vary substantially. Additionally, because of the heavy course requirements in many majors, there is often little room for electives. Students should be advised to decide as soon as possible on a major and on an intended transfer institution. In the process, specific transfer agreements between institutions should be used to guide student transfer as early as possible.
- The major recommendation process will be an iterative one. Panel recommendations will remain fluid to respond to developments in the majors and to recognize institutional differences in major requirements. Panel members and institutions should work together to maximize the benefit to students.
- Time and expense added to degree completion caused by poorly aligned articulation are serious concerns. Transfer pathways using the major panel recommendations should be designed so that students do not need to retake courses lengthening time to degree completion.
- Staff research has found that most of the courses listed in the major panel recommendations are already accepted in transfer between the community colleges and universities. However, there are a number of cases in which a course equivalent does not exist with the IAI course or an IAI course does not fit the major requirement, so the course is accepted as elective credit. Ideally, courses identified by the major panels should be those most frequently offered as common freshman/sophomore level courses for as many institutions as possible that offer the major.
- Alternative models of statewide transfer policy typically involve a development process to create the course recommendations.
  - Since IAI has a structure in place for achieving this, providing recommendations for the majors should capitalize on the work that has already been done by the panels.
  - The faculty driven IAI approach to facilitating transfer is an effective means of providing a conduit for communication between the higher education sectors and achieving common standards for a process of course approval.
  - Where agreement about a major panel's recommendations is already strong, we should move forward to provide a list of recommendations for students as quickly as possible.
  - Where it is not as strong, panels should reassess and revise the recommendations.

To continue the progress toward recognizing the recommendations of the Major Panels, the ICCB and IBHE are now asking partners for the following:

1) The IAI Major Panels. Several of the panels have indicated that they are ready to offer their recommendations for consideration. IAI staff have chosen several to start this process. The list is attached at the end of this document along with the summary of the courses recommended by the panels. All Major Panel recommendations are available at

http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students .

To prepare for this process, the panels were asked to review the list of common courses to try to ensure the approximation of the first two years at as many of the public universities as possible, to review or develop a list of GECC course recommendations for the majors, and to revise or develop a set of acceptance criteria for the core courses to facilitate acceptance of these courses. Individual panel approval criteria documents are available at:

http://www.itransfer.org/iai/container.aspx?section=faculty&subsection=panel&topic=panelRelatedDocs Next steps in the process for the major panels:

- Consider feedback from institutions regarding their ability to agree to panel recommendations and inform IAI staff regarding their deliberations.
- For those panels not moving forward at this time, continue to finalize their recommendations.

2) The public universities. The universities are asked to consider accepting the Major Panel recommendations under the following terms:

- IAI Major Panel documents will clearly state the following:
  - Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path.
  - Approval of this list of recommended courses does not guarantee that the student will be admitted to a receiving institution or to that major.
- The university agrees to advantage the transfer student in the best way possible, accepting the major panel courses recommended as credit toward the major.
  - The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major.
    - If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course.
    - This elective credit would substitute for identified elective credit in the major and not lengthen the time to degree.
  - Receiving institutions may require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
    - If this is not the case, then the receiving institution should state that it cannot accept the recommendations and provide feedback to the panels which might enable them to do so.
  - If the IAI recommendations are not acceptable, then the institution will communicate how the curriculum differs from IAI guidelines for a particular major.
    - The differences can be used to redesign the IAI recommendations so that they maximize acceptability.
    - If the differences are compelling enough, the panel status will be reviewed.
- 3) Procedures for the process.
  - Recommendations will be provided to Academic Leadership or their preferred institutional contact for consideration by the institution at the September 2010 meeting. The institution is asked to do one of the following:
    - Accept the recommendations and be added to the list of receiving institutions that have agreed to the recommendations under the terms above, or

- Submit feedback to IBHE or ICCB IAI staff to suggest revisions of the courses or their approval criteria that will allow the institution to accept the major recommendations. Staff will then combine feedback from various constituents to provide to the panels to facilitate possible modifications.
- Each Major Panel iTransfer webpage will indicate the current major course recommendations and a list of all institutions that agree to those recommendations. A sample of the web pages is attached.
- Staff will offer independent institutions the opportunity to accept the recommendations under the same terms and be added to the list at a later time.
- The Major Panel website pages will be made active January 2011. If at all possible, feedback regarding acceptance of the major panel recommendations should be submitted by November 15<sup>th</sup> so that the website will be as accurate as possible for the January 2011 start. If institutions cannot agree to adoption of the recommendations by November 15<sup>th</sup>, institutions are asked to inform IAI staff as quickly as possible after that date, and will be added to the appropriate lists as soon as possible.

## Sample Web Pages:

### Business major:

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward the fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path <<li>link to transfer guide page>>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <</li>

#### **Business major:**

Major & Elective Courses 12-16 semester credit hours BUS 901 Business Statistics (3 semester credits) BUS 902 Computer Applications and Business Systems Concepts (3 semester credits) BUS 903 Financial Accounting (3 semester credits) BUS 904 Managerial Accounting (3 semester credits)

#### Additional recommendations:

BUS 913 Legal and Social Environment of Business is recommended at the freshman/sophomore level by some, but not all universities. This is taught as an upper division course for some universities. Check with your intended transfer destination before taking this course.

#### General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• College level Calculus

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)
- HF 904 Ethics is strongly recommended

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

- Select 3 courses from at least 2 different disciplines (e.g., no more than 2 courses from, for example, psychology).
- S3 901 Principles of Macroeconomics is strongly recommended

• S3 902 Principles of Microeconomics is strongly recommended

#### Chemistry major:

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward the fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path <<li>link to transfer guide page>>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <</li>

#### Chemistry major:

#### **Major & Elective Courses**

CHM 911 General Chemistry I (4-5 semester credits) CHM 912 General Chemistry II (4-5 semester credits) CHM 913 Organic Chemistry I (4-5 semester credits) CHM 914 Organic Chemistry I (4-5 semester credits)

### General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• Calculus I and II

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- Calculus based Physics I and II with labs

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

• Select 3 courses from at least 2 different disciplines (e.g., no more than 2 courses from, for example, psychology).

## English major:

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward the fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path <<li>link to transfer guide page>>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

## <u>English major:</u>

## Major & Elective Courses

H3 914 Survey of American Literature I (3 semester credits) H3 912 Survey of British Literature I (3 semester credits) H3 913 Survey of British Literature II (3 semester credits)

Additional recommendations:

H3 914 Survey of American Literature II (3 semester credits)

Competency in a Foreign Language Recommended (12-16 semester credits)

Competency in a single Foreign Language through the third or fourth college semester is recommended. Two years in high school may substitute for the first 2 college semesters.

NOTE: As disciplines within the English major are writing intensive, students pursuing the major may want to consider taking literature courses which have a significant writing requirement (9 to 12 pages in total of writing). This will assist students with requirements as they work towards their bachelor's degrees at universities.

#### General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• one course

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

• Select 3 courses from at least 2 different disciplines (e.g., no more than 2 courses from, for example, psychology).

## History major:

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward the fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path <<li>link to transfer guide page>>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

#### <u>History major:</u>

### Major & Elective Courses

H2 904-United States History I/S2 900-United States History I (3 semester credits) H2 905-United States History II/S2 901-United States History II (3 semester credits)

and depending on the most likely transfer institution, either Option1 H2 901-History of Western Civilization I/S2 902-History of Western Civilization I (3 semester credits) H2 902-History of Western Civilization II/S2 903-History of Western Civilization II (3 semester credits) or Option 2 H2 906 - World History I/S2 912N : World History I (3 semester credits) H2 907 - World History II/S2 913N : World History II (3 semester credits)

Check with your intended transfer destination for the best option. Since schools divide historical periods differently across courses, students should complete course sequences at the same school.

Additional recommendations:

A Single Foreign Language (up to 12 semester credits)

Competency through the second, third, or fourth semester of a single foreign language is required for the B.A. degree in History in some schools and for all majors in the College of Arts and Sciences at other schools. Ask about the language requirement of the schools you are considering, and complete the required foreign language courses before transfer. In general, two years of foreign language study in high school will substitute for two semesters in college.

### General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• one course

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

• Select 3 courses from at least 2 different disciplines (e.g., no more than 2 courses from, for example, psychology).

### Political Science major:

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward the fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path <<li>link to transfer guide page>>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

#### **Political Science major:**

Major & Elective Courses Required Political Science Prerequisite Courses S5 900 - American/U.S. National Government (3 semester credits)

#### **Other Political Science Courses**

S5 904 - Introduction to International Relations (3 semester credits)S5 905 - Comparative Government (3 semester credits)PLS 913 - Introduction to Political Philosophy (3 semester credits)

## General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• one course

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

• Select 3 courses from at least 2 different disciplines (e.g., no more than 2 courses from, for example, psychology).

## Sociology major:

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward the fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path <<li>link to transfer guide page>>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

## Sociology major:

#### Major & Elective Courses

Up to three courses from the following: S7 901 Social Problems (3 semester credits) S7 902 Marriage and Family (3 semester credits) S7 903D Racial and Ethnic Relations (3 semester credits) S7 904D The Sociology of Sex and Gender (3 semester credits)

## General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• M1 902 General Education Statistics (3-4 semester credits), or M1 906 Finite Math recommended

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

- S7 900 Introduction to Sociology (3 semester credits)
- (recommended) S1 900N Introduction to Anthropology or S1 901N Cultural Anthropology (3 semester credits)
- One additional Sociology course from the major recommendations below (3 semester credits)

The following is a summary of the initial majors for consideration:

Major	IAI CODE	Title
Business		
	BUS 901	Business Statistics
	BUS 902	Computer Applications and Business Systems
		Concepts
	BUS 903	Financial Accounting
	BUS 904	Managerial Accounting
	S3 901*	Principles of Macroeconomics
	S3 902*	Principles of Microeconomics
	BUS 913	Legal and Social Environment of Business
		ude a note indicating that this course is
		he freshman/sophomore level by some, but not all
		is taught as an upper division course for some
		k with your intended transfer destination before
	taking this course.	
Chemistry	CUDA 011	
	CHM 911	General Chemistry I
	CHM 912	General Chemistry II
	CHM 913	Organic Chemistry I
	CHM 914	Organic Chemistry II
	PHY 911	Calculus-based Physics I
	PHY 912	Calculus-based Physics II
English		
	H3 912*	Survey of British Literature I
	H3 913*	Survey of British Literature II
	H3 914*	Survey of American Literature I
	H3 915*	Survey of American Literature II
History		
	H2904/S2900*	U.S. History I
	H2905/S2901*	U.S. History II
option1	H2901/S2902*	History of Western Civilization I
option1	H2902/S2903*	History of Western Civilization II
option2	H2906/S2912N*	World History I
option2	H2907/S2913N*	World History II
Political Science		· · · · · · · · · · · · · · · · · · ·
	S5 900*	American/U.S. National Government I
	S5 904*	International Relations
	S5 905*	Comparative Politics
	PLS 913	Introduction to Political Philosophy
Sociology		<u> </u>
<u>G</u> v	M1 902*	General Education Statistics
	S7 900*	Introduction to Sociology
(either S1 900 or S1 901 recom.)	S1 900N*	Intro to Anthropology
	S1 901N*	Cultural Anthropology
(up to 3 of the following 4)	S7 901*	Social Problems
(up to 5 of the following +)	S7 902*	Marriage and Family
	S7 902 S7 903D*	Racial and Ethnic Relations
	S7 903D* S7 904D*	The Sociology of Sex and Gender
	5/ 704D"	The Sociology of Sex and Gender

\* major courses that use the GECC codes

Illinois Board of Higher Education 431 East Adams, Second Floor Springfield, IL 62701-1418 tel: 217/557-7350 blankenberger@ibhe.org To Facilitate Interinstitutional Transfer Illinois Community College Board 401 East Capitol Avenue Springfield, IL 62701-1711 tel: 217/524-5502 brian.durham@illinois.goy

DATE: January 6, 2011

- TO: Academic Leadership
- FROM: Bob Blankenberger, Deputy Director for Academic Affairs, IBHE Elaine Johnson, Vice President Academic Affairs & Workforce Development, ICCB
- CC: Brian Durham, Senior Director for Academic Affairs & CTE, ICCB Krista Jackson, Illinois Articulation Initiative and iTransfer.org Coordinator, ISU Malinda Aiello, Director for Academic Affairs, ICCB
- RE: Formalizing the recommendations of the IAI Major Panels

Below is a summary of the acceptance of the IAI Major Panel recommendations and the background, assumptions and guidelines used as the basis for this decision. Early in the spring semester we will move forward with the next group of majors for consideration. At present this will likely include Agriculture, Criminal Justice, Computer Science, Engineering and Physics.

Illinois Articulation Initiative Major Panel Recommendation Acceptance Summary								
	Business	Chemistry	English	History	Political Science	Sociology		
Chicago State University	yes	yes	yes	yes	yes	yes		
Eastern Illinois University	yes	yes	yes	yes	yes	yes		
Governors State University [R]	yes	yes	yes	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>		
Illinois State University	yes	yes	yes	yes	yes	no <sup>2</sup>		
Northeastern Illinois University	no <sup>2</sup>	yes	yes <sup>3</sup>	yes <sup>4</sup>	yes	yes		
Northern Illinois University	yes	yes	no <sup>5</sup>	yes	yes	yes		
Southern IL University Carbondale	yes	yes	no <sup>2and5</sup>	yes	yes	yes		
Southern IL University Edwardsville	yes <sup>6</sup>	yes	yes	yes	yes <sup>6</sup>	yes		
University of Illinois at Chicago	yes <sup>7</sup>	yes	no <sup>8</sup>	yes <sup>4</sup>	yes	yes <sup>6</sup>		
University of Illinois at Springfield	yes	yes	yes <sup>6</sup>	no <sup>9</sup>	yes	N/A <sup>1</sup>		
University of Illinois at Urbana- Champaign	yes <sup>7</sup>	no <sup>9</sup>	yes	yes <sup>4</sup>	yes	yes <sup>6</sup>		
Western Illinois University	yes	yes	yes	yes <sup>3</sup>	yes	yes		

[R] receiving only

<sup>1</sup> there is no directly corresponding major

<sup>2</sup> one or more courses at senior level only

<sup>3</sup> pending a minor wording revision

<sup>4</sup> for option one only –Western Civilization sequence is accepted, but not the World History sequence

<sup>5</sup> there was no corresponding lower division course for any of those recommended

<sup>6</sup> accept course, but submitted comments for review

<sup>7</sup> an additional information technology course is also required at the lower division level

<sup>8</sup> recommendations include more coursework than would apply in the major

<sup>9</sup> there was no corresponding course for a significant number of the courses recommended

## **Background:**

As has been discussed at length this past year, the Illinois Community College Board and the Illinois Board of Higher Education are working to formalize the acceptance of the course recommendations of the IAI Major Panels. The current IAI and institutional transfer and articulation agreements work well for most students, particularly for program to program articulation agreements. However, the system could do more, especially for those students who enter community colleges with an intended major, but without an intended transfer destination.

Several principles are guiding this process:

- Community colleges and public universities are equal partners in delivery of the first two years of post-secondary education and should work to make student transition from one institution to the other as effective as possible.
- Recognizing that students who are undecided about their transfer destination will have more challenges, they should be given guidance as to what to take at the freshman/sophomore level to put them in a position after transfer that is as close as possible to the native student at a four year institution. Public universities have a responsibility to provide clear information so that when the transfer decision is made, students can maximize use of their courses.
- Existing transfer agreements should still be the primary path for student transfer once a student decides on the intended transfer destination. Because of differences in mission across four-year institutions, content of majors may vary substantially. Additionally, because of the heavy course requirements in many majors, there is often little room for electives. Students should be advised to decide as soon as possible on a major and on an intended transfer institution. In the process, specific transfer agreements between institutions should be used to guide student transfer as early as possible.
- The major recommendation process will be an iterative one. Panel recommendations will remain fluid to respond to developments in the majors and to recognize institutional differences in major requirements. Panel members and institutions should work together to maximize the benefit to students.
- Time and expense added to degree completion caused by poorly aligned articulation are serious concerns. Transfer pathways using the major panel recommendations should be designed so that students do not need to retake courses lengthening time to degree completion.
- Staff research has found that most of the courses listed in the major panel recommendations are already accepted in transfer between the community colleges and universities. However, there are a number of cases in which a course equivalent does not exist with the IAI course or an IAI course does not fit the major requirement, so the course is accepted as elective credit. Ideally, courses identified by the major panels should be those most frequently offered as common freshman/sophomore level courses for as many institutions as possible that offer the major.
- Alternative models of statewide transfer policy typically involve a development process to create the course recommendations.
  - Since IAI has a structure in place for achieving this, providing recommendations for the majors should capitalize on the work that has already been done by the panels.
  - The faculty driven IAI approach to facilitating transfer is an effective means of providing a conduit for communication between the higher education sectors and achieving common standards for a process of course approval.
  - Where agreement about a major panel's recommendations is already strong, we should move forward to provide a list of recommendations for students as quickly as possible.
  - Where it is not as strong, panels should reassess and revise the recommendations.

To continue the process of recognizing the recommendations of the Major Panels, the ICCB and IBHE are asking partners for the following:

1) The IAI Major Panels.

• To complete this process, the panels were asked to review the list of common courses to try to ensure the approximation of the first two years at as many of the public universities as possible, to review or develop a list of GECC course recommendations for the majors, and to revise or develop a set of acceptance criteria for the core courses to facilitate acceptance of these courses. Individual panel approval criteria documents are available at:

http://www.itransfer.org/iai/container.aspx?section=faculty&subsection=panel&topic=panelRelatedDocs Next steps in the process for the Major Panels:

- Consider feedback from institutions regarding their ability to agree to panel recommendations and inform IAI staff regarding their deliberations.
- For those panels not moving forward at this time, continue to hone their recommendations.

All Major Panel recommendations are available at:

http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students .

2) The public universities. The universities have been asked to accept the Major Panel recommendations under the following terms:

- IAI Major Panel documents will clearly state the following:
  - Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path.
  - Approval of this list of recommended courses does not guarantee that the student will be admitted to a receiving institution or to that major.
- The university agrees to advantage the transfer student in the best way possible, accepting the major panel courses recommended as credit toward the major.
  - The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major.
    - If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course.
    - This elective credit would substitute for identified elective credit in the major and not lengthen the time to degree.
  - Receiving institutions may require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
    - If this is not the case, then the receiving institution should state that it cannot accept the recommendations and provide feedback to the panels which might enable them to do so.
  - If the IAI recommendations are not acceptable, then the institution will communicate how the curriculum differs from IAI guidelines for a particular major.
    - The differences can be used to redesign the IAI recommendations so that they maximize acceptability.
    - If the differences are compelling enough, the panel status will be reviewed.

3) Procedures for the process.

• Recommendations for the majors to be considered are provided to Academic Leadership or their preferred institutional contact for consideration. The institution is asked to do one of the following:

- Accept the recommendations and be added to the list of receiving institutions that have agreed to the recommendations under the terms above, or
- Submit feedback to IBHE or ICCB IAI staff to suggest revisions of the courses or their approval criteria that will allow the institution to accept the major recommendations. Staff will then combine feedback from various constituents to provide to the panels to facilitate possible modifications.
- Each Major Panel iTransfer webpage will indicate the current major course recommendations and a list of all institutions that agree to those recommendations.
- Staff will offer independent institutions the opportunity to accept the recommendations under the same terms and be added to the list at a later time.
- The Major Panel website pages will be made active January 2011. Once institutions make their decisions regarding adoption of the major recommendations, they are asked to inform IAI staff as quickly as possible and the status will be added to the appropriate lists.
- If an institution needs to make a change to its acceptance of a major panel recommendation, the institution should contact IAI staff as quickly as possible so that the website can be updated.

To Facilitate Interinstitutional Transfer

Illinois Board of Higher Education 431 East Adams, Second Floor Springfield, IL 62701-1418 tel: 217/557-7350 fax: 217/782-8548 e-mail: blankenberger@ibhe.org

## Illinois Community College Board

401 East Capitol Avenue Springfield, IL 62701-1711 tel: 217/524-5503 fax: 217/785-0090 e-mail: malinda.aiello@ illinois.gov

- DATE: February 4, 2011
- TO: Academic Leadership
- FROM: Bob Blankenberger, Deputy Director for Academic Affairs, IBHE Elaine Johnson, Vice President Academic Affairs & Workforce Development, ICCB
- CC: Brian Durham, Senior Director for Academic Affairs & CTE, ICCB Krista Jackson, Illinois Articulation Initiative and iTransfer.org Coordinator, ISU Malinda Aiello, Director for Academic Affairs, ICCB
- RE: Formalizing the recommendations of the IAI Major Panels

To facilitate statewide transfer and provide guidance for those students who begin their community college experience undecided about a transfer destination, the public universities are being asked to formalize the acceptance of the IAI Major Panel recommendations. The terms of that acceptance are outlined in the background section below. This process has been in development for over a year and has been successful in formalizing acceptance for 6 majors as of January 2011 including Business, Chemistry, English, History, Political Science and Sociology.

It is understood that the Major Panel recommendations will need to be circulated to appropriate campus personnel, but a response is requested by *April 1st* in order to facilitate the development of the IAI majors' websites on which the institutional acceptance will be listed. After April 1<sup>st</sup>, any new submissions regarding institutional acceptance of the major recommendations will be added to the website as quickly as possible.

As was the case last fall, the universities are strongly encouraged to accept as many of the recommendations as possible, and are asked to provide feedback to IAI staff on those majors for which approval is not possible at this time. This information will be provided to the appropriate IAI Major Panel to inform possible revisions of the recommendations. The major recommendations are available on the iTransfer website at: <a href="http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students">http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students</a>

Please indicate all of the majors for which the following statement applies and send this response to this e-mail or to <u>Blankenberger@ibhe.org</u>. For institutions that do not offer the major, please indicate so. Please note that some of the majors have multiple track recommendations. It is understood that the university may not offer every track, or that some of the track recommendations may not work at this time. When this is the case, please provide feedback to inform the panel process. Please indicate whether the university agrees to the acceptance of the course recommendations of the IAI Major Panels in this memo for the majors below.

\_\_\_\_ Agriculture

- \_\_\_ Agribusiness, Farm and Financial Management
- \_\_\_\_ Animal Sciences
- \_\_ Crop Science and Soil Science
- \_\_\_\_ Horticulture
- \_\_\_ Agricultural Mechanization
- \_\_\_\_ Agricultural Education
- \_\_\_ Criminal Justice
- \_\_ Computer Science
  - \_\_\_ Information Technology Track
  - \_\_\_\_ Technical Track
- \_\_\_ Engineering
  - \_\_ General
  - \_\_ Chemical
  - \_\_ Civil
  - \_\_ Computer
  - \_\_\_ Electrical
  - \_\_ Industrial
  - \_\_ Mechanical
- \_\_\_ Physics

## **Background:**

As has been discussed at length this past year, the Illinois Community College Board and the Illinois Board of Higher Education are working to formalize the acceptance of the course recommendations of the IAI Major Panels. The current IAI and institutional transfer and articulation agreements work well for most students, particularly for program to program articulation agreements. However, the system could do more, especially for those students who enter community colleges with an intended major, but without an intended transfer destination.

Several principles are guiding this process:

- Community colleges and public universities are equal partners in delivery of the first two years of post-secondary education and should work to make student transition from one institution to the other as effective as possible.
- Recognizing that students who are undecided about their transfer destination will have more challenges, they should be given guidance as to what to take at the freshman/sophomore level to put them in a position after transfer that is as close as possible to the native student at a four year institution. Public universities have a responsibility to provide clear information so that when the transfer decision is made, students can maximize use of their courses.
- Existing transfer agreements should still be the primary path for student transfer once a student decides on the intended transfer destination. Because of differences in mission across four-year institutions, content of majors may vary substantially. Additionally, because of the heavy course requirements in many majors, there is often little room for electives. Students should be advised to decide as soon as possible on a major and on an intended transfer institution. In the process, specific transfer agreements between institutions should be used to guide student transfer as early as possible.

- The major recommendation process will be an iterative one. Panel recommendations will remain fluid to respond to developments in the majors and to recognize institutional differences in major requirements. Panel members and institutions should work together to maximize the benefit to students.
- Time and expense added to degree completion caused by poorly aligned articulation are serious concerns. Transfer pathways using the major panel recommendations should be designed so that students do not need to retake courses lengthening time to degree completion.
- Staff research has found that most of the courses listed in the major panel recommendations are already accepted in transfer between the community colleges and universities. However, there are a number of cases in which a course equivalent does not exist with the IAI course or an IAI course does not fit the major requirement, so the course is accepted as elective credit. Ideally, courses identified by the major panels should be those most frequently offered as common freshman/sophomore level courses for as many institutions as possible that offer the major.
- Alternative models of statewide transfer policy typically involve a development process to create the course recommendations.
  - Since IAI has a structure in place for achieving this, providing recommendations for the majors should capitalize on the work that has already been done by the panels.
  - The faculty driven IAI approach to facilitating transfer is an effective means of providing a conduit for communication between the higher education sectors and achieving common standards for a process of course approval.
  - Where agreement about a major panel's recommendations is already strong, we should move forward to provide a list of recommendations for students as quickly as possible.
  - Where it is not as strong, panels should reassess and revise the recommendations.

To continue the process of recognizing the recommendations of the Major Panels, the ICCB and IBHE are asking partners for the following:

1) The IAI Major Panels.

• To complete this process, the panels were asked to review the list of common courses to try to ensure the approximation of the first two years at as many of the public universities as possible, to review or develop a list of GECC course recommendations for the majors, and to revise or develop a set of acceptance criteria for the core courses to facilitate acceptance of these courses. Individual panel approval criteria documents are available at:

http://www.itransfer.org/iai/container.aspx?section=faculty&subsection=panel&topic=panelRelatedDocs Next steps in the process for the Major Panels:

- Consider feedback from institutions regarding their ability to agree to panel recommendations and inform IAI staff regarding their deliberations.
- For those panels not moving forward at this time, continue to hone their recommendations.

All Major Panel recommendations are available at: <u>http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students</u> .

2) The public universities. The universities have been asked to accept the Major Panel recommendations under the following terms:

- IAI Major Panel documents will clearly state the following:
  - Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path.
  - Approval of this list of recommended courses does not guarantee that the student will be admitted to a receiving institution or to that major.

- The university agrees to advantage the transfer student in the best way possible, accepting the major panel courses recommended as credit toward the major.
  - The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major.
    - If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course.
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  - Receiving institutions may require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
    - If this is not the case, then the receiving institution should state that it cannot accept the recommendations and provide feedback to the panels which might enable them to do so.
  - If the IAI recommendations are not acceptable, then the institution will communicate how the curriculum differs from IAI guidelines for a particular major.
    - The differences can be used to redesign the IAI recommendations so that they maximize acceptability.
    - If the differences are compelling enough, the panel status will be reviewed.
- 3) Procedures for the process.
  - Recommendations for the majors to be considered are provided to Academic Leadership or their preferred institutional contact for consideration. The institution is asked to do one of the following:
    - Accept the recommendations and be added to the list of receiving institutions that have agreed to the recommendations under the terms above, or
    - Submit feedback to IBHE or ICCB IAI staff to suggest revisions of the courses or their approval criteria that will allow the institution to accept the major recommendations. Staff will then combine feedback from various constituents to provide to the panels to facilitate possible modifications.
  - Each Major Panel iTransfer webpage will indicate the current major course recommendations and a list of all institutions that agree to those recommendations.
  - Staff will offer independent institutions the opportunity to accept the recommendations under the same terms and be added to the list at a later time.
  - The Major Panel website pages will be made active January 2011. Once institutions make their decisions regarding adoption of the major recommendations, they are asked to inform IAI staff as quickly as possible and the status will be added to the appropriate lists.
  - If an institution needs to make a change to its acceptance of a Major Panel recommendation, the institution should contact IAI staff as quickly as possible so that the website can be updated.
  - The first six Major Panel website pages were made active January 2011. If at all possible, feedback regarding acceptance of the next group of Major Panel recommendations should be submitted by April 15<sup>th</sup> so that the website can be updated with the next list as soon as possible. If institutions cannot agree to adoption of the recommendations by April 1st, institutions are asked to inform IAI staff as quickly as possible after that date, and will be added to the appropriate lists as soon as possible.

Illinois Board of Higher Education 431 East Adams, Second Floor Springfield, IL 62701-1418 tel: 217/557-7350 blankenberger@ibhe.org To Facilitate Interinstitutional Transfer Illinois Community College Board 401 East Capitol Avenue Springfield, IL 62701-1711 tel: 217/524-5502 brian.durham@illinois.gov

DATE: June 28, 2011

- TO: Academic Leadership
- FROM: Bob Blankenberger, Deputy Director for Academic Affairs, IBHE Elaine Johnson, Vice President Academic Affairs & Workforce Development, ICCB
- CC: Brian Durham, Senior Director for Academic Affairs & CTE, ICCB Krista Jackson, Illinois Articulation Initiative and iTransfer.org Coordinator, ISU Malinda Aiello, Director for Academic Affairs, ICCB David Knopp, Assistant Director for Academic Affairs, IBHE
- RE: Formalizing the recommendations of the Tier 2 IAI Major Panels

Below is the summary of the acceptance of the Tier 2 IAI Major Panel recommendations and the background, assumptions and guidelines used as the basis for this decision.

			Computer Science			
	Agriculture	Criminal Justice	Info track	Tech track	Engineering	Physics
Chicago State University	N/A	yes	yes	yes	N/A	yes
Eastern Illinois University	N/A	N/A	N/A	Yes	N/A	Yes
Governors State University [R]	N/A	yes	yes	N/A	N/A	N/A
Illinois State University	yes	yes	yes	yes	yes	Yes
Northeastern Illinois University	N/A	yes	yes	yes	N/A	yes
Northern Illinois University	N/A	yes	yes <sup>1</sup>	yes <sup>1</sup>	yes	yes <sup>23</sup>
Southern IL University Carbondale	yes	yes	yes	yes	yes	yes
Southern IL University Edwardsville	N/A	yes	N/A	yes	yes <sup>7</sup>	yes <sup>3</sup>
University of Illinois at Chicago	N/A	yes <sup>5</sup>	N/A	yes <sup>4</sup>	some, not all <sup>57</sup>	yes <sup>4</sup>
University of Illinois at Springfield	N/A	yes <sup>5</sup>	yes	yes <sup>5</sup>	N/A	N/A
University of Illinois at Urbana-Champaign	yes <sup>6</sup>	N/A	yes <sup>4</sup>	yes	some, not all <sup>5 7</sup>	yes <sup>4</sup>
Western Illinois University	yes	yes	yes	yes	yes	yes

[R] receiving only

<sup>1</sup> if the course is C++

<sup>2</sup> one or more courses at senior level only

<sup>3</sup> if PHY 913 is 3 hours, not 2

<sup>4</sup> the entire Calculus sequence is recommended prior to transfer

<sup>5</sup> junior students typically have taken more courses than the IAI recommends in the major, so consult with the transfer institution as soon as possible

<sup>6</sup> For students in Animal Science, the second course in the Bio 910 series is recommended

7 See Engineering Panel Recommendation Acceptance Summary below for specific majors

Illinois Articulation Initiative Engineering Panel Recommendation Acceptance Summary							
	General Engineering	Chemical	Civil	Computer	Electrical	Industrial	Mechanical
Southern IL							
University							
Edwardsville	N/A	N/A	yes <sup>5</sup>	yes	yes	yes <sup>5</sup>	yes
University of							
Illinois at							
Chicago	yes	yes <sup>1</sup>	yes <sup>1</sup>	no <sup>3</sup>	no <sup>3</sup>	yes <sup>1</sup>	yes <sup>1</sup>
University of							
Illinois at							
Urbana-							_
Champaign	yes <sup>1</sup>	no <sup>2</sup>	yes	no <sup>4</sup>	no <sup>4</sup>	yes	yes <sup>5</sup>

[R] receiving only

junior students typically have taken more courses than the IAI recommends in the major, so consult with the transfer institution as soon as possible

<sup>2</sup> one or more courses taught at upper division level only

<sup>3</sup> the sequence of courses is significantly different than IAI recommendations, so consult with the transfer institution <sup>4</sup> The foundational course, Introduction to Electrical and Computer Engineering, is a prerequisite to other Engineering courses, but has no IAI equivalent.

<sup>5</sup> junior students typically have taken more coursework than the IAI recommends in the major, so consult with the transfer institution as soon as possible

## **Background:**

As has been discussed at length this past year, the Illinois Community College Board and the Illinois Board of Higher Education are working to formalize the acceptance of the course recommendations of the IAI Major Panels. The current IAI and institutional transfer and articulation agreements work well for most students, particularly for program to program articulation agreements. However, the system could do more, especially for those students who enter community colleges with an intended major, but without an intended transfer destination.

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- Existing transfer agreements should still be the primary path for student transfer once a student decides on the intended transfer destination. Because of differences in mission across four-year institutions, content of majors may vary substantially. Additionally, because of the heavy course requirements in many majors, there is often little room for electives. Students should be advised to decide as soon as possible on a major and on an intended transfer institution. In the process, specific transfer agreements between institutions should be used to guide student transfer as early as possible.
- The major recommendation process will be an iterative one. Panel recommendations will remain fluid to respond to developments in the majors and to recognize institutional differences in major requirements. Panel members and institutions should work together to maximize the benefit to students.
- Time and expense added to degree completion caused by poorly aligned articulation are serious concerns. Transfer pathways using the major panel recommendations should be designed so that students do not need to retake courses lengthening time to degree completion.
- Staff research has found that most of the courses listed in the major panel recommendations are already accepted in transfer between the community colleges and universities. However, there are a number of cases in which a course equivalent does not exist with the IAI course or an IAI course does not fit the major requirement, so the course is accepted as elective credit. Ideally, courses identified by the major panels should be those most frequently offered as common freshman/sophomore level courses for as many institutions as possible that offer the major.
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  - Where agreement about a major panel's recommendations is already strong, we should move forward to provide a list of recommendations for students as quickly as possible.
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To continue the process of recognizing the recommendations of the Major Panels, the ICCB and IBHE are asking partners for the following:

1) The IAI Major Panels.

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http://www.itransfer.org/iai/container.aspx?section=faculty&subsection=panel&topic=panelRelatedDocs Next steps in the process for the Major Panels:

- Consider feedback from institutions regarding their ability to agree to panel recommendations and inform IAI staff regarding their deliberations.
- For those panels not moving forward at this time, continue to hone their recommendations.

All Major Panel recommendations are available at:

http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students .

2) The public universities. The universities have been asked to accept the Major Panel recommendations under the following terms:

- IAI Major Panel documents will clearly state the following:
  - Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path.
  - Approval of this list of recommended courses does not guarantee that the student will be admitted to a receiving institution or to that major.
- The university agrees to advantage the transfer student in the best way possible, accepting the major panel courses recommended as credit toward the major.
  - The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major.
    - If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course.
    - This elective credit would substitute for identified elective credit in the major and not lengthen the time to degree.
  - Receiving institutions may require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
    - If this is not the case, then the receiving institution should state that it cannot accept the recommendations and provide feedback to the panels which might enable them to do so.
  - If the IAI recommendations are not acceptable, then the institution will communicate how the curriculum differs from IAI guidelines for a particular major.
    - The differences can be used to redesign the IAI recommendations so that they maximize acceptability.
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3) Procedures for the process.

• Recommendations for the majors to be considered are provided to Academic Leadership or their preferred institutional contact for consideration. The institution is asked to do one of the following:

- Accept the recommendations and be added to the list of receiving institutions that have agreed to the recommendations under the terms above, or
- Submit feedback to IBHE or ICCB IAI staff to suggest revisions of the courses or their approval criteria that will allow the institution to accept the major recommendations. Staff will then combine feedback from various constituents to provide to the panels to facilitate possible modifications.
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- The Major Panel website pages will be made active January 2011. Once institutions make their decisions regarding adoption of the major recommendations, they are asked to inform IAI staff as quickly as possible and the status will be added to the appropriate lists.
- If an institution needs to make a change to its acceptance of a major panel recommendation, the institution should contact IAI staff as quickly as possible so that the website can be updated.

Illinois Board of Higher Education 431 East Adams, Second Floor Springfield, IL 62701-1418 tel: 217/557-7350 blankenberger@ibhe.org To Facilitate Interinstitutional Transfer Illinois Community College Board 401 East Capitol Avenue Springfield, IL 62701-1711 tel: 217/524-5502 brian.durham@illinois.goy

DATE: January 6, 2011

- TO: Academic Leadership
- FROM: Bob Blankenberger, Deputy Director for Academic Affairs, IBHE Elaine Johnson, Vice President Academic Affairs & Workforce Development, ICCB
- CC: Brian Durham, Senior Director for Academic Affairs & CTE, ICCB Krista Jackson, Illinois Articulation Initiative and iTransfer.org Coordinator, ISU Malinda Aiello, Director for Academic Affairs, ICCB
- RE: Formalizing the recommendations of the IAI Major Panels

Below is a summary of the acceptance of the IAI Major Panel recommendations and the background, assumptions and guidelines used as the basis for this decision. Early in the spring semester we will move forward with the next group of majors for consideration. At present this will likely include Agriculture, Criminal Justice, Computer Science, Engineering and Physics.

Illinois Articulation Initiative Major Panel Recommendation Acceptance Summary								
	Business	Chemistry	English	History	Political Science	Sociology		
Chicago State University	yes	yes	yes	yes	yes	yes		
Eastern Illinois University	yes	yes	yes	yes	yes	yes		
Governors State University [R]	yes	yes	yes	N/A <sup>1</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>		
Illinois State University	yes	yes	yes	yes	yes	no <sup>2</sup>		
Northeastern Illinois University	no <sup>2</sup>	yes	yes <sup>3</sup>	yes <sup>4</sup>	yes	yes		
Northern Illinois University	yes	yes	no <sup>5</sup>	yes	yes	yes		
Southern IL University Carbondale	yes	yes	no <sup>2and5</sup>	yes	yes	yes		
Southern IL University Edwardsville	yes <sup>6</sup>	yes	yes	yes	yes <sup>6</sup>	yes		
University of Illinois at Chicago	yes <sup>7</sup>	yes	no <sup>8</sup>	yes <sup>4</sup>	yes	yes <sup>6</sup>		
University of Illinois at Springfield	yes	yes	yes <sup>6</sup>	no <sup>9</sup>	yes	N/A <sup>1</sup>		
University of Illinois at Urbana- Champaign	yes <sup>7</sup>	no <sup>9</sup>	yes	yes <sup>4</sup>	yes	yes <sup>6</sup>		
Western Illinois University	yes	yes	yes	yes <sup>3</sup>	yes	yes		

[R] receiving only

<sup>1</sup> there is no directly corresponding major

<sup>2</sup> one or more courses at senior level only

<sup>3</sup> pending a minor wording revision

<sup>4</sup> for option one only –Western Civilization sequence is accepted, but not the World History sequence

<sup>5</sup> there was no corresponding lower division course for any of those recommended

<sup>6</sup> accept course, but submitted comments for review

<sup>7</sup> an additional information technology course is also required at the lower division level

<sup>8</sup> recommendations include more coursework than would apply in the major

<sup>9</sup> there was no corresponding course for a significant number of the courses recommended

## **Background:**

As has been discussed at length this past year, the Illinois Community College Board and the Illinois Board of Higher Education are working to formalize the acceptance of the course recommendations of the IAI Major Panels. The current IAI and institutional transfer and articulation agreements work well for most students, particularly for program to program articulation agreements. However, the system could do more, especially for those students who enter community colleges with an intended major, but without an intended transfer destination.

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- Community colleges and public universities are equal partners in delivery of the first two years of post-secondary education and should work to make student transition from one institution to the other as effective as possible.
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- Existing transfer agreements should still be the primary path for student transfer once a student decides on the intended transfer destination. Because of differences in mission across four-year institutions, content of majors may vary substantially. Additionally, because of the heavy course requirements in many majors, there is often little room for electives. Students should be advised to decide as soon as possible on a major and on an intended transfer institution. In the process, specific transfer agreements between institutions should be used to guide student transfer as early as possible.
- The major recommendation process will be an iterative one. Panel recommendations will remain fluid to respond to developments in the majors and to recognize institutional differences in major requirements. Panel members and institutions should work together to maximize the benefit to students.
- Time and expense added to degree completion caused by poorly aligned articulation are serious concerns. Transfer pathways using the major panel recommendations should be designed so that students do not need to retake courses lengthening time to degree completion.
- Staff research has found that most of the courses listed in the major panel recommendations are already accepted in transfer between the community colleges and universities. However, there are a number of cases in which a course equivalent does not exist with the IAI course or an IAI course does not fit the major requirement, so the course is accepted as elective credit. Ideally, courses identified by the major panels should be those most frequently offered as common freshman/sophomore level courses for as many institutions as possible that offer the major.
- Alternative models of statewide transfer policy typically involve a development process to create the course recommendations.
  - Since IAI has a structure in place for achieving this, providing recommendations for the majors should capitalize on the work that has already been done by the panels.
  - The faculty driven IAI approach to facilitating transfer is an effective means of providing a conduit for communication between the higher education sectors and achieving common standards for a process of course approval.
  - Where agreement about a major panel's recommendations is already strong, we should move forward to provide a list of recommendations for students as quickly as possible.
  - Where it is not as strong, panels should reassess and revise the recommendations.

To continue the process of recognizing the recommendations of the Major Panels, the ICCB and IBHE are asking partners for the following:

1) The IAI Major Panels.

• To complete this process, the panels were asked to review the list of common courses to try to ensure the approximation of the first two years at as many of the public universities as possible, to review or develop a list of GECC course recommendations for the majors, and to revise or develop a set of acceptance criteria for the core courses to facilitate acceptance of these courses. Individual panel approval criteria documents are available at:

http://www.itransfer.org/iai/container.aspx?section=faculty&subsection=panel&topic=panelRelatedDocs Next steps in the process for the Major Panels:

- Consider feedback from institutions regarding their ability to agree to panel recommendations and inform IAI staff regarding their deliberations.
- For those panels not moving forward at this time, continue to hone their recommendations.

All Major Panel recommendations are available at:

http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students .

2) The public universities. The universities have been asked to accept the Major Panel recommendations under the following terms:

- IAI Major Panel documents will clearly state the following:
  - Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path.
  - Approval of this list of recommended courses does not guarantee that the student will be admitted to a receiving institution or to that major.
- The university agrees to advantage the transfer student in the best way possible, accepting the major panel courses recommended as credit toward the major.
  - The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major.
    - If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course.
    - This elective credit would substitute for identified elective credit in the major and not lengthen the time to degree.
  - Receiving institutions may require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
    - If this is not the case, then the receiving institution should state that it cannot accept the recommendations and provide feedback to the panels which might enable them to do so.
  - If the IAI recommendations are not acceptable, then the institution will communicate how the curriculum differs from IAI guidelines for a particular major.
    - The differences can be used to redesign the IAI recommendations so that they maximize acceptability.
    - If the differences are compelling enough, the panel status will be reviewed.

3) Procedures for the process.

• Recommendations for the majors to be considered are provided to Academic Leadership or their preferred institutional contact for consideration. The institution is asked to do one of the following:

- Accept the recommendations and be added to the list of receiving institutions that have agreed to the recommendations under the terms above, or
- Submit feedback to IBHE or ICCB IAI staff to suggest revisions of the courses or their approval criteria that will allow the institution to accept the major recommendations. Staff will then combine feedback from various constituents to provide to the panels to facilitate possible modifications.
- Each Major Panel iTransfer webpage will indicate the current major course recommendations and a list of all institutions that agree to those recommendations.
- Staff will offer independent institutions the opportunity to accept the recommendations under the same terms and be added to the list at a later time.
- The Major Panel website pages will be made active January 2011. Once institutions make their decisions regarding adoption of the major recommendations, they are asked to inform IAI staff as quickly as possible and the status will be added to the appropriate lists.
- If an institution needs to make a change to its acceptance of a major panel recommendation, the institution should contact IAI staff as quickly as possible so that the website can be updated.

Illinois Board of Higher Education 431 East Adams, Second Floor Springfield, IL 62701-1418 tel: 217/557-7350 blankenberger@ibhe.org To Facilitate Interinstitutional Transfer Illinois Community College Board 401 East Capitol Avenue Springfield, IL 62701-1711 tel: 217/524-5502 brian.durham@illinois.gov

DATE: August 29, 2011

TO: Academic Leadership

FROM: Bob Blankenberger, Deputy Director for Academic Affairs, IBHE Elaine Johnson, Vice President Academic Affairs & Workforce Development, ICCB

CC: Brian Durham, Senior Director for Academic Affairs & CTE, ICCB Krista Jackson, Illinois Articulation Initiative and iTransfer.org Coordinator, ISU Malinda Aiello, Director for Academic Affairs, ICCB David Knopp, Assistant Director for Academic Affairs, IBHE

RE: Formalizing the recommendations of the Tier 3 IAI Major Panels

To facilitate statewide transfer and provide guidance for those students who begin their community college experience undecided about a transfer destination, the public universities are being asked to formalize the acceptance of the IAI Major Panel recommendations. The terms of that acceptance are outlined in the background section below. It is understood that the Major Panel recommendations will need to be circulated to appropriate campus personnel, but a response is requested by *November 1st* in order to facilitate the development of the IAI majors' websites on which the institutional acceptance will be listed. After November 1<sup>st</sup>, any new submissions regarding institutional acceptance of the major recommendations will be added to the website as quickly as possible.

As was the case last year, the universities are strongly encouraged to accept as many of the recommendations as possible, and are asked to provide feedback to IAI staff on those majors for which approval is not possible at this time. This information will be provided to the appropriate IAI Major Panel to inform possible revisions of the recommendations. The recommendations have been attached to this memo. Some minor changes had to be made to the recommendations listed at present on the IAI website for clarity and to facilitate broader acceptance.

Please indicate all of the majors for which the following statement applies and send this response to this e-mail or to Blankenberger@ibhe.org . For institutions that do not offer the major, please indicate so. Please note that some of the majors have multiple track recommendations. It is understood that the university may not offer every track, or that some of the track recommendations may not work at this time. When this is the case, please provide feedback to inform the panel process. Additionally, please note that the Biological Sciences major requires the completion of a course sequence before it will satisfy the recommendation for the major. Although this may present a challenge, this is the best recommendation the Panel could make to satisfy the varied institutional approaches. As with other majors, please respond if this is not a possibility for acceptance and explain the issues involved.

The university agrees to the acceptance of the course recommendations of the IAI Major Panels contained in this memo for the following majors:

- \_\_\_ Industrial Technology
- \_\_\_ Mass Communications
- \_\_\_\_ Mathematics
- \_\_\_ Psychology
- \_\_\_ Theatre Arts

\_\_\_ Biological Sciences

## **Background:**

As has been discussed at length this past year, the Illinois Community College Board and the Illinois Board of Higher Education are working to formalize the acceptance of the course recommendations of the IAI Major Panels. The current IAI and institutional transfer and articulation agreements work well for most students, particularly for program to program articulation agreements. However, the system could do more, especially for those students who enter community colleges with an intended major, but without an intended transfer destination.

Several principles are guiding this process:

- Community colleges and public universities are equal partners in delivery of the first two years of post-secondary education and should work to make student transition from one institution to the other as effective as possible.
- Recognizing that students who are undecided about their transfer destination will have more challenges, they should be given guidance as to what to take at the freshman/sophomore level to put them in a position after transfer that is as close as possible to the native student at a four year institution. Public universities have a responsibility to provide clear information so that when the transfer decision is made, students can maximize use of their courses.
- Existing transfer agreements should still be the primary path for student transfer once a student decides on the intended transfer destination. Because of differences in mission across four-year institutions, content of majors may vary substantially. Additionally, because of the heavy course requirements in many majors, there is often little room for electives. Students should be advised to decide as soon as possible on a major and on an intended transfer institution. In the process, specific transfer agreements between institutions should be used to guide student transfer as early as possible.
- The major recommendation process will be an iterative one. Panel recommendations will remain fluid to respond to developments in the majors and to recognize institutional differences in major requirements. Panel members and institutions should work together to maximize the benefit to students.
- Time and expense added to degree completion caused by poorly aligned articulation are serious concerns. Transfer pathways using the major panel recommendations should be designed so that students do not need to retake courses lengthening time to degree completion.
- Staff research has found that most of the courses listed in the major panel recommendations are already accepted in transfer between the community colleges and universities. However, there are a number of cases in which a course equivalent does not exist with the IAI course or an IAI course does not fit the major requirement, so the course is accepted as elective credit. Ideally, courses identified by the major panels should be those most frequently offered as common freshman/sophomore level courses for as many institutions as possible that offer the major.
- Alternative models of statewide transfer policy typically involve a development process to create the course recommendations.
  - Since IAI has a structure in place for achieving this, providing recommendations for the majors should capitalize on the work that has already been done by the panels.
  - The faculty driven IAI approach to facilitating transfer is an effective means of providing a conduit for communication between the higher education sectors and achieving common standards for a process of course approval.
  - Where agreement about a major panel's recommendations is already strong, we should move forward to provide a list of recommendations for students as quickly as possible.
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To continue the process of recognizing the recommendations of the Major Panels, the ICCB and IBHE are asking partners for the following:

1) The IAI Major Panels.

• To complete this process, the panels were asked to review the list of common courses to try to ensure the approximation of the first two years at as many of the public universities as possible, to review or develop a list of GECC course recommendations for the majors, and to revise or develop a set of acceptance criteria for the core courses to facilitate acceptance of these courses. Individual panel approval criteria documents are available at:

http://www.itransfer.org/iai/container.aspx?section=faculty&subsection=panel&topic=panelRelatedDocs Next steps in the process for the Major Panels:

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All Major Panel recommendations are available at:

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2) The public universities. The universities have been asked to accept the Major Panel recommendations under the following terms:

- IAI Major Panel documents will clearly state the following:
  - Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path.
  - Approval of this list of recommended courses does not guarantee that the student will be admitted to a receiving institution or to that major.
- The university agrees to advantage the transfer student in the best way possible, accepting the major panel courses recommended as credit toward the major.
  - The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major.
    - If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course.
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    - The differences can be used to redesign the IAI recommendations so that they maximize acceptability.
    - If the differences are compelling enough, the panel status will be reviewed.

3) Procedures for the process.

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- Accept the recommendations and be added to the list of receiving institutions that have agreed to the recommendations under the terms above, or
- Submit feedback to IBHE or ICCB IAI staff to suggest revisions of the courses or their approval criteria that will allow the institution to accept the major recommendations. Staff will then combine feedback from various constituents to provide to the panels to facilitate possible modifications.
- Each Major Panel iTransfer webpage will indicate the current major course recommendations and a list of all institutions that agree to those recommendations.
- Staff will offer independent institutions the opportunity to accept the recommendations under the same terms and be added to the list at a later time.
- The Major Panel website pages will be made active January 2011. Once institutions make their decisions regarding adoption of the major recommendations, they are asked to inform IAI staff as quickly as possible and the status will be added to the appropriate lists.
- If an institution needs to make a change to its acceptance of a major panel recommendation, the institution should contact IAI staff as quickly as possible so that the website can be updated.

## Sample Web Pages:

Biological Sciences major: Major Directive Updated: <date>

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path .<u>Click here to view other Articulation</u> <u>Agreements.</u>
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

#### **Biological Sciences major:**

Major & Elective Courses 16-25 semester credit hours

BIO 910 Introduction to Biological Sciences (6-10 semester hours)

(A two or three-course sequence) This combination of courses covers all the essential topics in an introductory biology sequence, including Organismal Biology, Ecology, Evolution, and Cellular and Molecular Biology. Course objectives include: an introduction to structure and function of major groups of microorganisms, fungi, animals, and plants; an emphasis on evolutionary relationships and ecological principles, and an introduction to biochemistry, molecular genetics, cell structure, function, and processes. Laboratory required in all courses in the sequence. To guarantee easy transfer of credit, students must complete the entire course sequence at the same school before transfer.

CHM 912 Chemistry II (4-5 semester credits)

Take 2 required courses in organic chemistry:

- CHM 913 Organic Chemistry I (3-5 semester credits)
- CHM 913 Organic Chemistry II (3-5 semester credits)

#### Additional recommendations:

Students selecting further coursework in biology should consult an advisor. Field courses in biology/botany and comparative vertebrate anatomy are biology electives that offer reasonable probability of transfer, in the major, depending upon the student's choice of biology specialization and the baccalaureate school. Courses such as microbiology and human anatomy and physiology sometimes will transfer for credit in allied health majors, but most often do not transfer as biology major credit.

#### General Education Core 37-41 semester credit hours

It is recommended to be successful in the major at a transfer institution that students seeking a major in Biology, take the following classes in the IAI GECC: BIO 910 - Biology as Life Sciences with Lab, CHEM 911 Chemistry I as Physical Science with Lab, and M1 900-1 General Education Calculus as Math GECC requirement (see plan).

Communications (3 courses of 9 semester credits):

• two-course sequence in writing (6 semester credits) with a grad of "C" or better,

• one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• M1 900-1 General Education Calculus

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- The first course in the BIO 910 sequence for the GECC life sciences (3-4 semester credits)
- CHEM 911 General Chemistry I for the GECC physical science (3-4 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

• Select 3 courses from at least 2 different disciplines (e.g., no more than 2 courses from, for example, psychology).

Industrial Technology (for transfer into Bachelor of Science degree program) major: Major Directive

Updated: <date>

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path .<u>Click here to view other Articulation</u> <u>Agreements</u>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

# Industrial Technology (for transfer into Bachelor of Science degree program) major:

Major & Elective Courses (12 semester credits) IND 911 Engineering Graphics/CAD (3 semester credits) IND 912 Materials of Industry (3 semester credits) IND 913 Manufacturing Processes (3 semester credits) IND 914 Quality (3 semester credits)

General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• M1 902 General Education Statistics

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- Select General Education Physics or General Education Chemistry with lab (3-4 semester hours)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

#### Mass Communication major:

The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. Credit will either be accepted as a course equivalent or be counted as elective credit toward the fulfilling the requirements of the major.

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path <<li>link to transfer guide page>>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

#### Mass Communication major: 19-26 semester credit hours

#### **Major & Elective Courses**

MC 911 Introduction to Mass Communication (3 semester credits)

Recommendations by specialty:

These courses will be accepted as credit toward the major in the specialization. However, because of the specialization in coursework necessary for success in these specialties within the major, it is recommended that students follow the specific transfer or articulation plan for the intended transfer institution as soon as possible to avoid complications in transfer.

The following recommendations should be taken as the best option until the transfer destination has been chosen. **Radio/TV/Film** 

MC 914 Introduction to Broadcasting (3 semester credits) MC 915 Introduction to Radio Production (3 semester credits) and/or MC 916 Introduction to TV Production (3 semester credits)

General Education Recommendation: Take at least one of the following to satisfy Humanities and Fine Arts General Education coursework: F2 908 Film Appreciation (3 semester credits) F2 909 Film History (3 semester credits) HF Film and Literature (3 semester credits)

# **Advertising/Public Relations**

MC 912 Introduction to Advertising (3 semester credits) MC 913 Introduction to Public Relations (3 semester credits)

#### Journalism/News Editorial/Photojournalism

MC 919 Basic News Writing (3 semester credits) MC 920 Basic News Editing (3 semester credits)

Or for photojournalism majors: MC 921 Photojournalism (3 semester credits)

# Multimedia

MC 922 Writing for Multimedia (3 semester credits) MC 923 Introduction to Website Development (3 semester credits) MC 924 Basic Animation (3 semester credits)

# General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• one course

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

Mathematics major: Major Directive Updated: <date> The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. **Credit will either be accepted as a course equivalent or be counted as elective credit toward fulfilling the requirements of the major.** 

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path .<u>Click here to view other Articulation</u> <u>Agreements.</u>
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

#### Mathematics major:

Major & Elective Courses 19-26 semester credit hours MTH 901 Calculus I (4-5 semester credits) – note this also meets the IAI GECC requirement in Mathematics MTH 901 Calculus II (3-5 semester credits) MTH 901 Calculus III (3-5 semester credits)

It is highly advised that students complete the entire Calculus sequence at a single institution. Course content may vary widely among institutions depending on the credits assigned to each course, and completing the sequence at a single institution is the best way to assure that neither credit nor content is lost in transfer.

and depending on the most likely transfer institution, either Option1 MTH 911 Introduction to Linear Algebra (3-4 semester credits) or Option 2 MTH 912 Differential Equations (3-4 semester credits)

Check with your intended transfer destination as soon as possible for the best option.

# General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• MTH 901 Calculus I/ M1 900-1 College Level Calculus I (4-5 semester credits)

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits) P2 900L Calculus-based Physics I is strongly recommended

• or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

Psychology major: Major Directive Updated: <date> The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. **Credit will either be accepted as a course equivalent or be counted as elective credit toward fulfilling the requirements of the major.** 

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path .<u>Click here to view other Articulation</u> <u>Agreements</u>.
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
- Receiving institutions may still require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

#### **Psychology major:**

Major & Elective Courses (9 semester credits in the major) Required Psychology Prerequisite Course S6 900 – Introduction to Psychology/General Psychology (3 semester credits)

#### **Other Psychology Courses**

S8 900 – Social Psychology (3 semester credits)PSY 905 – Abnormal Psychology (3 semester credits)

#### Additional recommendations:

The following courses may transfer to bachelor degree-granting colleges and universities as *elective credit only*. Consult with the transfer institution as soon as possible before making a choice about whether these courses can count toward the major.

S6 902 Life-span Development Psychology (3 semester credits)

S6 903 Child Psychology (3 semester credits)

S6 904 Childhood and Adolescent Psychology/Adolescent Psychology (3 semester credits)

S6 905 Adulthood and Aging (3 semester credits)

# General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• M1 902 General Education Statistics (3-4 semester credit hours) Students may also take College-level Calculus I and/or Finite Mathematics in addition to M1 902 - General Education Statistics.

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

• Select 3 courses from at least 2 different disciplines (e.g., no more than 2 courses from, for example, psychology).

Note: S6 900 General Psychology will satisfy one GECC course in this discipline

Theatre Arts major: Major Directive Updated: <date> The major panel courses recommended will be accepted as credit toward the major at the receiving institutions listed. **Credit will either be accepted as a course equivalent or be counted as elective credit toward fulfilling the requirements of the major.** 

- Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path .<u>Click here to view other Articulation</u> <u>Agreements.</u>
- Note that if the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course but may be required to take the course at the upper division level.
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- Approval of this list of recommended courses does not guarantee that the student will be admitted to the receiving institution or to that major.

The following institutions have agreed to the recommendations below: <<li>st of institutions agreeing to the panel recommendations>>>

# Theatre Arts major: 19-26 semester credit hours

#### Special Advisory:

Theatre Arts is a performance based major. Satisfying coursework in the major does not guarantee entry into a major. Most transfer institutions will require an audition or other means of satisfying performance criteria before entry into the major will be allowed.

# Major & Elective Courses

TA 911 Stagecraft (3 semester credits) TA 914 Acting I (3 semester credits) TA 916 Performance of Literature (3 semester credits)

# General Education Core 37-41 semester credit hours

Communications (3 courses of 9 semester credits):

- two-course sequence in writing (6 semester credits) with a grad of "C" or better,
- one course in oral communication

Mathematics: 1 to 2 courses (3 to 6 semester credits)

• M1 902 General Education Statistics (3-4 semester credits), or M1 906 Finite Math recommended

Physical and Life Sciences: 2 courses (7 to 8 semester credits including at least one laboratory course)

- one course selected from the GECC life sciences (3-4 semester credits)
- one course from the GECC physical sciences (3-4 semester credits)
- or two GECC interdisciplinary courses (7-8 semester credits)

Humanities and Fine Arts: 3 courses (9 semester credits), with at least one course selected from humanities and at least one course from the fine arts

- one course selected from the GECC humanities (3 semester credits)
- one course from the GECC fine arts (3 semester credits)
- one course from the GECC humanities or fine arts (3 semester credits)

Social and Behavioral Sciences: 3 courses (9 semester credits), with courses selected from at least two disciplines

# ILLINOIS ARTICULATION INITIATIVE

Illinois Board of Higher Education 431 East Adams, Second Floor Springfield, IL 62701-1418 tel: 217/557-7350 blankenberger@ibhe.org To Facilitate Interinstitutional Transfer Illinois Community College Board 401 East Capitol Avenue Springfield, IL 62701-1711 tel: 217/524-5502 brian.durham@illinois.gov

DATE: November 18, 2011

TO: Academic Leadership

FROM: Bob Blankenberger, Deputy Director for Academic Affairs, IBHE Elaine Johnson, Vice President Academic Affairs & Workforce Development, ICCB

CC: Brian Durham, Senior Director for Academic Affairs & CTE, ICCB Krista Jackson, Illinois Articulation Initiative and iTransfer.org Coordinator, ISU Malinda Aiello, Director for Academic Affairs, ICCB David Knopp, Assistant Director for Academic Affairs, IBHE

RE: Formalizing the recommendations of the Tier 3 IAI Major Panels

Below is the summary of the acceptance of the Tier 3 IAI Major Panel recommendations and the background, assumptions and guidelines used as the basis for this decision. A "yes" means that the university agrees to accept the major panel courses recommended as credit toward the major. The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major. If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course and this credit would substitute for identified elective credit in the major and not lengthen the time to degree.

	Biological	Industrial	Mass	Mathe-		Theatre
	Sciences	Technol.	Comm.	matics	Psychology	Arts
Chicago State University	yes	yes	yes	yes	yes	N/A <sup>1</sup>
Eastern Illinois University	yes	yes	yes	yes	yes	yes
Governors State University	yes	N/A <sup>1</sup>	yes	yes	yes	N/A <sup>1</sup>
Illinois State University	yes	yes <sup>6</sup>	yes <sup>3</sup>	yes	yes <sup>6</sup>	yes
Northeastern Illinois University	yes <sup>12</sup>	N/A <sup>1</sup>	N/A <sup>13</sup>	yes	yes <sup>6</sup>	N/A <sup>13</sup>
Northern Illinois University	yes	yes	yes <sup>3</sup>	yes	yes <sup>6</sup>	no <sup>9</sup>
Southern IL University Carbondale	yes	yes <sup>6</sup>	yes <sup>6</sup>	yes <sup>8</sup>	yes <sup>6</sup>	yes <sup>6</sup>
Southern IL University Edwardsville	yes	yes	yes <sup>3</sup>	yes	yes	yes
University of Illinois at Chicago	yes	N/A <sup>1</sup>	$N/A^1$	yes <sup>8</sup>	yes	no <sup>2</sup>
University of Illinois at Springfield	yes	N/A <sup>1</sup>	yes <sup>3</sup>	yes	no <sup>2</sup>	N/A <sup>1</sup>
University of Illinois at Urbana-				Qualifi		
Champaign	yes	$N/A^1$	no <sup>2</sup>	ed <sup>10</sup>	yes	yes
		1	3	pend-		
Western Illinois University	yes	$N/A^1$	yes <sup>3</sup>	ing <sup>11</sup>	yes	yes

<sup>1</sup> there is no directly corresponding major

<sup>2</sup> the majority of the recommended courses either have no equivalent or are offered at the upper division only

<sup>3</sup> but see notes in Mass Communication chart by specialty below

<sup>4</sup> the entire Calculus sequence is recommended prior to transfer

<sup>5</sup> junior students typically have taken more courses than the IAI recommends in the major, so consult with the transfer institution as soon as possible

<sup>6</sup>one or more of the courses are accepted as elective credit as there are no equivalent lower division courses

<sup>7</sup> Math Option1 MTH 911 Introduction to Linear Algebra not Option 2 MTH 912 Differential Equations

<sup>8</sup> Math Option 2 MTH 912 Differential Equations not Option1 MTH 911 Introduction to Linear Algebra

<sup>9</sup> students are required to take a substantially greater number of hours in the major at the lower division level

<sup>10</sup> Students are recommended to take the Calculus sequence, but taking the Calculus sequence without vector analysis will need to take the MTH 292 2 hour online bridge course. MTH911 and MTH912 are upper division only and there is no match for CS911 at UIUC.

<sup>11</sup> Math 102 General Education Math is being reconsidered by IAI for equivalency; also WIU's Computer Science students are not required to take Calculus II prior to Linear Algebra.

<sup>12</sup> NEIU does not require Organic Chemistry II, but does require College/University Physics I and II.

<sup>13</sup> At NEIU, Communication, Media and Theatre and are all one major (CMT).

Illinois Articulation Initiative Mass Communication Recommendation Acceptance Summary										
	Radio/TV/ Film	Advertising/ Public Relations	Journalism/News Editorial/Photojournalism	Multimedia						
Illinois State University	yes <sup>5</sup>	yes <sup>5</sup>	yes	yes <sup>5</sup>						
Northern Illinois University	yes <sup>5</sup>	N/A <sup>1</sup>	yes <sup>5</sup>	N/A <sup>1</sup>						
University of Illinois at Springfield	N/A <sup>1</sup>	N/A <sup>1</sup>	yes	N/A <sup>1</sup>						
Western Illinois University	N/A <sup>1</sup>	N/A <sup>1</sup>	yes	N/A <sup>1</sup>						

<sup>1</sup> there is no directly corresponding major

<sup>2</sup> one or more courses taught at upper division level only

<sup>3</sup> MC 915 and MC916 together fulfill SIUE's MC204<sup>4</sup> The foundational course, Introduction to Electrical and Computer Engineering, is a prerequisite to other Engineering courses, but has no IAI equivalent.

<sup>5</sup> one or more of the courses are accepted as elective credit as there are no equivalent lower division courses

<sup>6</sup> junior students typically have taken more courses than the IAI recommends in the major, so consult with the transfer institution as soon as possible

# **Background:**

As has been discussed at length this past year, the Illinois Community College Board and the Illinois Board of Higher Education are working to formalize the acceptance of the course recommendations of the IAI Major Panels. The current IAI and institutional transfer and articulation agreements work well for most students, particularly for program to program articulation agreements. However, the system could do more, especially for those students who enter community colleges with an intended major, but without an intended transfer destination.

Several principles are guiding this process:

- Community colleges and public universities are equal partners in delivery of the first two years of post-secondary education and should work to make student transition from one institution to the other as effective as possible.
- Recognizing that students who are undecided about their transfer destination will have more challenges, they should be given guidance as to what to take at the freshman/sophomore level to put them in a position after transfer that is as close as possible to the native student at a four year institution. Public universities have a responsibility to provide clear information so that when the transfer decision is made, students can maximize use of their courses.
- Existing transfer agreements should still be the primary path for student transfer once a student decides on the intended transfer destination. Because of differences in mission across four-year institutions, content of majors may vary substantially. Additionally, because of the heavy course requirements in many majors, there is often little room for electives. Students should be advised to decide as soon as possible on a major and on an intended transfer institution. In the process, specific transfer agreements between institutions should be used to guide student transfer as early as possible.
- The major recommendation process will be an iterative one. Panel recommendations will remain fluid to respond to developments in the majors and to recognize institutional differences in major requirements. Panel members and institutions should work together to maximize the benefit to students.
- Time and expense added to degree completion caused by poorly aligned articulation are serious concerns. Transfer pathways using the major panel recommendations should be designed so that students do not need to retake courses lengthening time to degree completion.
- Staff research has found that most of the courses listed in the major panel recommendations are already accepted in transfer between the community colleges and universities. However, there are a number of cases in which a course equivalent does not exist with the IAI course or an IAI course does not fit the major requirement, so the course is accepted as elective credit. Ideally, courses identified by the major panels should be those most frequently offered as common freshman/sophomore level courses for as many institutions as possible that offer the major.
- Alternative models of statewide transfer policy typically involve a development process to create the course recommendations.
  - Since IAI has a structure in place for achieving this, providing recommendations for the majors should capitalize on the work that has already been done by the panels.
  - The faculty driven IAI approach to facilitating transfer is an effective means of providing a conduit for communication between the higher education sectors and achieving common standards for a process of course approval.
  - Where agreement about a major panel's recommendations is already strong, we should move forward to provide a list of recommendations for students as quickly as possible.
  - Where it is not as strong, panels should reassess and revise the recommendations.

To continue the process of recognizing the recommendations of the Major Panels, the ICCB and IBHE are asking partners for the following:

1) The IAI Major Panels.

• To complete this process, the panels were asked to review the list of common courses to try to ensure the approximation of the first two years at as many of the public universities as possible, to review or develop a list of GECC course recommendations for the majors, and to revise or develop a set of acceptance criteria for the core courses to facilitate acceptance of these courses. Individual panel approval criteria documents are available at:

http://www.itransfer.org/iai/container.aspx?section=faculty&subsection=panel&topic=panelRelatedDocs Next steps in the process for the Major Panels:

- Consider feedback from institutions regarding their ability to agree to panel recommendations and inform IAI staff regarding their deliberations.
- For those panels not moving forward at this time, continue to hone their recommendations.

All Major Panel recommendations are available at:

http://www.itransfer.org/iai/majors/default.aspx?file=iai&section=students .

2) The public universities. The universities have been asked to accept the Major Panel recommendations under the following terms:

- IAI Major Panel documents will clearly state the following:
  - Once a transfer institution is chosen, students should consult the appropriate transfer guide as soon as possible for guidance on the most successful transfer path.
  - Approval of this list of recommended courses does not guarantee that the student will be admitted to a receiving institution or to that major.
- The university agrees to advantage the transfer student in the best way possible, accepting the major panel courses recommended as credit toward the major.
  - The credit will either be accepted as a course equivalent or toward fulfilling the lower division course requirements in the major.
    - If the receiving institution does not offer the course or does not offer it at the lower-division level, the student will receive elective lower-division major credit for the course.
    - This elective credit would substitute for identified elective credit in the major and not lengthen the time to degree.
  - Receiving institutions may require additional lower division courses to satisfy the major requirements, but students transferring should be able to complete the remaining courses in the same time that a native student can be reasonably expected to do so.
    - If this is not the case, then the receiving institution should state that it cannot accept the recommendations and provide feedback to the panels which might enable them to do so.
  - If the IAI recommendations are not acceptable, then the institution will communicate how the curriculum differs from IAI guidelines for a particular major.
    - The differences can be used to redesign the IAI recommendations so that they maximize acceptability.
    - If the differences are compelling enough, the panel status will be reviewed.

3) Procedures for the process.

• Recommendations for the majors to be considered are provided to Academic Leadership or their preferred institutional contact for consideration. The institution is asked to do one of the following:

- Accept the recommendations and be added to the list of receiving institutions that have agreed to the recommendations under the terms above, or
- Submit feedback to IBHE or ICCB IAI staff to suggest revisions of the courses or their approval criteria that will allow the institution to accept the major recommendations. Staff will then combine feedback from various constituents to provide to the panels to facilitate possible modifications.
- Each Major Panel iTransfer webpage will indicate the current major course recommendations and a list of all institutions that agree to those recommendations.
- Staff will offer independent institutions the opportunity to accept the recommendations under the same terms and be added to the list at a later time.
- The Major Panel website pages will be made active January 2011. Once institutions make their decisions regarding adoption of the major recommendations, they are asked to inform IAI staff as quickly as possible and the status will be added to the appropriate lists.
- If an institution needs to make a change to its acceptance of a major panel recommendation, the institution should contact IAI staff as quickly as possible so that the website can be updated.

# Illinois Articulation Initiative Major Panel Recommendation Acceptance Summary

					Compute	erScience										1		
	Agriculture	Biological Sciences	Business	Chemistry	Info track	Tech track	Criminal Justice	Engineering	English	History	Industrial Technol.	Mass Comm.	Mathe- matics	Physics	Political Science	Psychology	Sociology	Theatre Arts
Chicago State University	N/A	yes	yes	yes	yes	yes	yes	N/A	yes	yes	yes	yes	yes	yes	yes	yes	yes	N/A <sup>1</sup>
Eastern Illinois University	N/A	yes	yes	yes	N/A	yes	N/A	N/A	yes	yes	yes	yes	yes	Yes	yes	yes	yes	yes
Governors State University [R]	N/A	yes	yes	yes	yes	N/A	yes	N/A	yes	N/A	N/A <sup>1</sup>	yes	yes	N/A	N/A	yes	N/A	N/A <sup>1</sup>
Illinois State University	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes <sup>6</sup>	yes <sup>3</sup>	yes	yes	yes	yes <sup>6</sup>	yes <sup>2</sup>	yes
Northeastern Illinois University	N/A	yes <sup>14</sup>	yes <sup>2</sup>	yes	yes	yes	yes	N/A	yes <sup>3</sup>	yes <sup>4</sup>	N/A <sup>1</sup>	N/A <sup>15</sup>	yes	yes	yes	yes <sup>6</sup>	yes	N/A <sup>15</sup>
Northern Illinois University	N/A	yes	yes	yes	yes <sup>10</sup>	yes <sup>10</sup>	yes	yes	no <sup>5</sup>	yes	yes	yes <sup>3</sup>	yes	yes <sup>2, 11</sup>	yes	yes <sup>6</sup>	yes	no <sup>9</sup>
Southern IL University Carbondale	yes	yes	yes	yes	yes	yes	yes	yes	no <sup>2and5</sup>	yes	yes <sup>6</sup>	yes <sup>6</sup>	yes <sup>8</sup>	yes	yes	yes <sup>6</sup>	yes	yes <sup>6</sup>
Southern IL University Edwardsvill e	N/A	yes	yes <sup>6</sup>	yes	N/A	yes	yes	yes <sup>7</sup>	yes	yes	yes	yes <sup>3</sup>	yes	yes <sup>11</sup>	yes <sup>6</sup>	yes	yes	yes
University of Illinois at Chicago	N/A	yes	yes <sup>7</sup>	yes	N/A	yes <sup>12</sup>	yes <sup>1</sup>	some, not all <sup>1,7</sup>	no <sup>8</sup>	yes <sup>4</sup>	N/A <sup>1</sup>	N/A <sup>1</sup>	yes <sup>8</sup>	yes <sup>4</sup>	yes	yes	yes <sup>6</sup>	no <sup>2</sup>
University of Illinois at Springfield	N/A	yes	yes	yes	yes	yes <sup>1</sup>	yes <sup>1</sup>	N/A	yes <sup>6</sup>	no <sup>9</sup>	N/A <sup>1</sup>	yes <sup>3</sup>	yes	N/A	yes	no <sup>2</sup>	N/A	N/A <sup>1</sup>
University of Illinois at Urbana- Champaign	yes <sup>13</sup>	yes	yes <sup>7</sup>	no <sup>9</sup>	yes <sup>12</sup>	yes	N/A	some, not all <sup>1, 7</sup>	yes	yes <sup>4</sup>	N/A <sup>1</sup>	no <sup>2</sup>	Qualified <sup>10</sup>	yes <sup>4</sup>	yes	yes	yes <sup>6</sup>	yes
Western Illinois University	yes		yes	yes	yes	yes	yes	yes	yes	yes <sup>3</sup>	N/A <sup>1</sup>			yes	yes		yes	

[R]

receiving

only

N/A: There is no directly corresponding major

<sup>1</sup> junior students typically have taken more courses than the IAI recommends in the major, so consult with the transfer institution as soon as possible

<sup>2</sup> one or more courses at senior level only

<sup>3</sup> after a minor wording revision

<sup>4</sup> for option one only –Western Civilization sequence is accepted, but not the World History sequence

<sup>5</sup> there was no corresponding lower division course for any of those recommended

<sup>6</sup> one or more of the courses are accepted as elective credit as there are no equivalent lower division courses

 $^{7}$  an additional information technology course is also required at the lower division level

<sup>8</sup> recommendations include more coursework than would apply in the major

 $^{9}$  there was no corresponding course for a significant number of the courses recommended

<sup>10</sup> if the course is C++

<sup>11</sup> if PHY 913 is 3 hours, not 2

<sup>12</sup> the entire Calculus sequence is recommended prior to transfer

<sup>13</sup> For students in Animal Science, the second course in the Bio 910 series is recommended

<sup>14</sup> NEIU does not require Organic Chemistry II, but does require College/University Physics I and II.

<sup>15</sup> At NEIU, Communication, Media and Theatre and are all one major (CMT).