

**GENERAL REQUIREMENTS FOR THE ASSOCIATE IN SCIENCE (AS) DEGREE**

The Associate in Science Degree is designed for students planning to transfer to a senior institution to complete a program of study in the sciences or in a specialized pre-professional field. The outline below provides the general guidelines from Board Policy and is used by the college to design specific degree programs. A student pursuing this degree program should be aware that certain variations may exist for Areas I, II, III, and IV depending on the student's Area V concentration. A student pursuing an AS degree must follow the specific requirements for the program as outlined in the catalog.

**Area I: Written Composition .....6 Credit Hours**

- Must complete ENG 101 and ENG 102.

**Area II: Humanities and Fine Arts.....12 Credit Hours**

- Must complete at least three semester hours in Literature.\*
- Must complete at least three semester hours in the Arts.
- The remaining semester hours are to be selected from Humanities and/or Fine Arts.

*Humanities and Arts disciplines include but are not limited to: Area/ Ethnic Studies, Art and Art History, Foreign Languages, Music and Music History, Philosophy, Ethics, Religious Studies, Theater and Dance.*

**Area III: Natural Science and Mathematics..... 11 Credit Hours**

- Must complete at least three semester hours in Mathematics at the Pre-Calculus Algebra or Finite Math level or higher.
- Must complete at least eight semester hours in the Natural Sciences which must include laboratory experiences.

*Disciplines in the Natural Sciences include: Astronomy, Biological Sciences, Chemistry, Geology, Physical Geography, Earth Science, Physics, and Physical Science.*

**Area IV: History, Social, and Behavioral Sciences.....12 Credit Hours**

- Must complete at least three semester hours in History.\*
- Must complete at least six semester hours in other disciplines in the Social and Behavioral Sciences.

*Social and Behavioral Sciences include, but are not limited to: Anthropology, Economics, Geography, Political Science, Psychology, and Sociology.*

**Area I-IV: General Education Requirements.....41 Credit Hours**

**Area V: Pre-Professional, Pre-Major, and Elective Courses ..... \*\*19-23 Credit Hours**

- Area V courses are courses appropriate to the degree requirements and major of the individual student and electives. Students completing courses that have been **approved** for transfer by the AGSC and are appropriate to their major and/or degree program may transfer these courses with credit applicable to their degree program among two-year and four-year colleges and universities.

**Total Hours Required .....\*\*60-64 Credit Hours**

*\*Must complete a six-semester-hour sequence either in Literature or in History. The sequences in Area II and IV in Literature and History need to follow the sequence requirements according to the student's major and transfer plans.*

*\*\*Respective programs of study for baccalaureate degrees at Alabama public and private universities range from 120 to 128 semester credit hours in length. Colleges are only authorized to provide 50 percent of that total (60-64, depending on the total hours allocated for the bachelor's degree).*

**TRANSFER GUIDES ASSOCIATE IN SCIENCE**

The following transfer guides are for students who intend to major in the specific areas that are listed. The Alabama Articulation and General Studies Committee, which was created by the Alabama Legislature through ACT 94-202, devised these programs of study. This legislation requires that these programs and their courses be accepted for transfer at all public institutions of higher education in Alabama. Any student or faculty advisor who encounters a problem in getting these programs and courses transferred to a two or four-year college in Alabama should contact Dean Sherie Grace, who serves as the articulation contact person at Northeast. More detailed transfer guides and student transfer agreements to four-year colleges may be obtained from the Statewide Articulation Reporting System (STARS) on the Internet at <http://stars.troy.edu>. Students who complete the courses listed on the following transfer guides can receive the Associate in Science Degree.

**Transfer Guide Accounting See Business.**

**Consult four-year catalog and/or STARS Transfer Guide.**

**Transfer Guide Agribusiness Economics See Business.**

**Consult four-year catalog and/or STARS Transfer Guide.**

**Transfer Guide  
Agricultural Business and Economics**

**Area I – Written Composition**

ENG 101 English Composition I.....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature.....	3 hours
Choose from: ENG 251, 252; ENG 261, 262; or ENG 271, 272	
SPH 107 Fundamentals of Public Speaking.....	3 hours
Fine Arts Elective*.....	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
PHL 206 Ethics and Society.....	3 hours
<b>Total.....</b>	<b>12 hours</b>

**Area III – Natural Sciences and Mathematics**

MTH 120 Calculus and Its Applications or higher.....	3-4 hours
BIO 103-104 Principles of Biology I-II.....	8 hours
<b>Total.....</b>	<b>11-12 hours</b>

**Area IV – History, Social, and Behavioral Sciences**

History.....	6 hours
Choose from: HIS 101, 102, or HIS 201, 202	
ECO 231 Principles of Macroeconomics.....	3 hours
SOC 200 or PSY 200.....	3 hours
<b>Total.....</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications.....	3 hours
BUS 271-272 Business Statistics I-II.....	6 hours
BUS 241-242 Principles of Accounting I-II.....	6 hours
ECO 232 Principles of Microeconomics.....	3 hours
Area V Elective*.....	1 hour
<b>Total.....</b>	<b>19 hours</b>
<b>Total Hours Required for Degree.....</b>	<b>60-61 hours</b>

\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide  
Agronomy and Soils**

**Area I – Written Composition**

ENG 101 English Composition I.....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature.....	3 hours
Choose from: ENG 251 and 252; ENG 261 and 262; or ENG 271 and 272	
SPH 107 Fundamentals of Public Speaking.....	3 hours
Fine Arts Elective***.....	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
PHL 206.....	3 hours
<b>Total.....</b>	<b>12 hours</b>

**Area III – Natural Sciences and Mathematics**

MTH 113 or higher (excluding MTH 116)*.....	3-4 hours
CHM 111 College Chemistry I.....	4 hours
CHM 112 College Chemistry II.....	4 hours
<b>Total.....</b>	<b>11-12 hours</b>

**Area IV – History, Social, and Behavioral Sciences**

History.....	6 hours
Choose from: HIS 101, 102 or HIS 201, 202	
ECO 232 Principles of Microeconomics.....	3 hours
Social and Behavioral Sciences***.....	3 hours
Choose from: GEO 100; PSY 200; SOC 200	
<b>Total.....</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications.....	3 hours
MTH 125 Calculus I**.....	4 hours
BIO 103 Principles of Biology I.....	4 hours
BIO 104 Principles of Biology II.....	4 hours
CHM 221 Organic Chemistry I.....	4 hours
Area V Elective***.....	0-3 hours
<b>Total.....</b>	<b>19-22 hours</b>
<b>Total Hours Required for Degree.....</b>	<b>60-64 hours</b>

\*MTH 112 or appropriate placement scores are prerequisites for MTH 113.  
\*\*MTH 112, 113, or appropriate placement scores are prerequisites for MTH 125.

\*\*\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide  
Animal Sciences**

**Area I – Written Composition**

ENG 101 English Composition I.....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature.....	3-6 hours
Choose from: ENG 251 and 252; ENG 261 and 262; or ENG 271 and 272	
SPH 107 Fundamentals of Public Speaking.....	3 hours
Fine Arts Elective*.....	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
PHL 206.....	3 hours
<b>Total.....</b>	<b>12 hours</b>

**Area III – Natural Sciences and Mathematics**

MTH 113 or higher (excluding MTH 116).....	3-4 hours
BIO 103 Principles of Biology I.....	4 hours
BIO 104 Principles of Biology II.....	4 hours
<b>Total.....</b>	<b>11-12 hours</b>

**Area IV – History, Social, and Behavioral Sciences**

History.....	6 hours
Choose from: HIS 101, 102 or HIS 201, 202	
ECO 232 Principles of Microeconomics.....	3 hours
Social and Behavioral Sciences*.....	3 hours
Choose from: GEO 100; PSY 200; SOC 200	
<b>Total.....</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

CHM 111 College Chemistry I .....	4 hours
CHM 112 College Chemistry II .....	4 hours
CIS 146 Microcomputer Applications .....	3 hours
CHM 221 Organic Chemistry I.....	4 hours
Area V Electives* .....	4-7 hours
<b>Total.....</b>	<b>19-22 hours</b>
<b>Total Hours Required for Degree .....</b>	<b>60-64 hours</b>

\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide**

**Apparel Merchandising, Design & Productivity  
 See Business.**

Consult four-year catalog and/or STARS Transfer Guide.

**Transfer Guide**

**Applied Mathematics (AU only)  
 See Mathematics.**

Consult four-year catalog and/or STARS Transfer Guide.

**Transfer Guide**

**Architecture (AU only)**

**Area I – Written Composition**

ENG 101 English Composition I .....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature* .....	3-6 hours
Choose from: ENG 251, 252; ENG 261, 262; or ENG 271, 272	
SPH 107 Fundamentals of Public Speaking .....	3 hours
Fine Arts Elective** .....	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
Humanities and Fine Arts Elective** .....	0-4 hours
Choose from: ART 100, 203, 204; MUS 101; REL 100, 151, 152; SPA 101, 102, 201, 202; THR 120, 126	
<b>Total.....</b>	<b>12-13 hours</b>

**Area III – Natural Sciences and Mathematics**

MTH 125 Calculus I .....	4 hours
Physics Sequence .....	8 hours
Choose from: PHY 201 and 202 or PHY 213 and 214 (not PHY 215)	
<b>Total.....</b>	<b>12 hours</b>

**Area IV – History, Social, and Behavioral Sciences**

History* .....	3-6 hours
Choose from: HIS 101, 102 or HIS 201, 202	
Social and Behavioral Sciences** .....	6-9 hours
Choose from: ECO 231; GEO 100; POL 211; PSY 200, 210; SOC 200, 210	
<b>Total.....</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

PHL 206 Ethics & Society .....	3 hours
CIS 146 Microcomputer Applications .....	3 hours
Area V Electives** .....	15 hours
<b>Total.....</b>	<b>21 hours</b>
<b>Total Hours Required for Degree .....</b>	<b>63-64 hours</b>

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

#Auburn University strong recommends that students submit an application to transfer for summer semester.

**Transfer Guide  
 Athletic Training**

**Area I – Written Composition**

ENG 101 English Composition I .....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature* .....	3-6 hours
Choose from: ENG 251, 252; ENG 261, 262 or ENG 271, 272	
SPH 107 Fundamentals of Public Speaking .....	3 hours
Fine Arts Elective** .....	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
Humanities and Fine Arts Elective** .....	0-4 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126; ENG 251, 252; ENG 261, 262 or ENG 271, 272; MUS 101; PHL 206; REL 100, 151, 152; SPA 101, 102, 201, 202	
<b>Total.....</b>	<b>12-13 hours</b>

**Area III – Natural Science and Mathematics**

BIO 103 Principles of Biology .....	4 hours
Physics .....	4 hours
Choose from: PHY 201, 202, 213, 214	
Mathematics .....	3-4 hours
MTH 112 or higher (excluding MTH 116)	
The University of Alabama requires MTH 112 or higher.	
The University of West Alabama requires MTH 113 or higher.	
<b>Total.....</b>	<b>11-12 hours</b>

**Area IV – History, Social, and Behavioral Sciences**

History* .....	3-6 hours
Choose from: HIS 101, 102 or HIS 201, 202	
PSY 200 General Psychology .....	3 hours
Social and Behavioral Sciences .....	3-6 hours
Choose from: ECO 231, 232; GEO 100; POL 211; PSY 210; SOC 200, 210	
<b>Total.....</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

BIO 201 Human Anatomy and Physiology I .....	4 hours
BIO 202 Human Anatomy and Physiology II.....	4 hours
CIS 146 Microcomputer Applications** .....	3 hours

Area V Electives\*\* .....8-11 hours  
**Total.....19-22 hours**  
**Total hours required for degree.....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

**Transfer Guide**  
**Behavioral Science**  
**See Psychology.**

**Consult four-year catalog and/or STARS Transfer Guide.**

**Transfer Guide**  
**Biochemistry**  
**See Chemistry.**

**Consult four-year catalog and/or STARS Transfer Guide.**

**Transfer Guide**  
**Biology**

**Area I – Written Composition**

ENG 101 English Composition I .....3 hours  
 ENG 102 English Composition II.....3 hours  
**Total.....6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking .....3 hours  
 Fine Arts Elective\*\* .....3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Elective\*\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

MTH 112 or higher (excluding MTH 116) .....3-4 hours  
 BIO 103 Principles of Biology I .....4 hours  
 BIO 104 Principles of Biology I .....4 hours  
**Total.....11-12 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202  
 Social and Behavioral Sciences\*\* .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210  
**Total.....12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 .....3 hours  
 CHM 111, 112 .....8 hours  
 CHM 221, 222 .....0-8 hours

\*\*MTH 125 Calculus I .....0-4 hours  
 Area V Electives .....0-12  
**Total.....19-23 hours**  
**Total Hours Required for Degree .....60-64 hours**

*NOTE: Statistics or a sequence in physics is required for some four year schools. Consult the four-year catalog.*

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

*NOTE: Any combination of 19-23 hours listed in Area V will meet the requirements for the A.S. degree.*

**Transfer Guide**  
**Biomedical Sciences**

**Area I –Written Composition**

ENG 101 English Composition I .....3 hours  
 ENG 102 English Composition II.....3 hours  
**Total.....6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking .....3 hours  
 Fine Arts Elective\*\* .....3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Elective\*\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252,  
 261, 262, 271, 272; MUS 101; PHL 206; REL 100, 151,  
 152; SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

MTH 125 Calculus I (UAB will accept MTH 113) .....4 hours  
 CHM 111 College Chemistry I .....4 hours  
 CHM 112 College Chemistry II.....4 hours  
**Total.....12 hours**

**Area IV – History, Social and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, HIS 102, or HIS 201, HIS 202  
 PSY 200 General Psychology .....3 hours  
 Social and Behavioral Sciences\*\* .....3-6 hours  
 Choose from: ECO 231; ECO 232; GEO 100; POL 211;  
 PSY 200, 210; SOC 200, 210  
**Total.....12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications .....3 hours  
**Select 16-19 semester hours from the following:**  
 BIO 103 Principles of Biology I .....4 hours  
 BIO 104 Principles of Biology II.....4 hours  
 CHM 221 Organic Chemistry I.....4 hours  
 CHM 222 Organic Chemistry II .....4 hours  
 HEC 140 (UAB Only) .....3 hours  
 MTH 265 Elementary Statistics.....3 hours  
 PHY 201 or 213 .....4 hours

PHY 202 or 214 .....	4 hours
<b>Total.....</b>	<b>19-22 hours</b>
<b>Total Hours Required for Degree .....</b>	<b>60-64 hours</b>

\*Must take a 6-semester hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

NOTE: Any combination of 19-22 hours listed in Area V will meet the requirements for the A.S. degree.

### Transfer Guide Building Science (AU only)

#### Area I – Written Composition

ENG 101 English Composition I .....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

#### Area II – Humanities and Fine Arts

Literature*.....	3-6 hours
Choose from: ENG 251, 252; ENG 261, 262; or ENG 271, 272	
SPH 107 Fundamentals of Public Speaking .....	3 hours
Fine Arts Elective** .....	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
Humanities and Fine Arts Elective** .....	0-4 hours
Choose from: ART 100, 203, 204; ENG 251, 252, 261, 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152; SPA 101, 102, 201, 202; THR 120, 126	
<b>Total.....</b>	<b>12-13 hours</b>

#### Area III – Natural Sciences and Mathematics

MTH 125 Calculus I .....	4 hours
PHY 201 General Physics I – Trig Based .....	4 hours
PHY 202 General Physics II – Trig Based.....	4 hours
<b>Total.....</b>	<b>12 hours</b>

#### Area IV – History, Social, and Behavioral Sciences

History*.....	3-6 hours
Choose from: HIS 101, 102 or HIS 201, 202	
ECO 232 Principles of Microeconomics .....	3 hours
Social and Behavioral Sciences.....	3-6 hours
Choose from: ECO 231, GEO 100; POL 211; PSY 200, 210; SOC 200, 210	
<b>Total.....</b>	<b>12 hours</b>

#### Area V – Pre-Professional, Major, and Elective Courses

BUS 241 Principles of Accounting I.....	3 hours
CIS 146 Microcomputer Applications .....	3 hours
PHL 206 Ethics and Society.....	3 hours
BUS 146 Personal Finance.....	3 hours
Area V Electives** .....	7-10 hours
<b>Total.....</b>	<b>19-22 hours</b>
<b>Total Hours Required for Degree .....</b>	<b>61-65 hours</b>

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

### Transfer Guide Business

#### Area I – Written Composition

ENG 101 English Composition I .....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

#### Area II – Humanities and Fine Arts

Literature** .....	6 hours
Choose from: ENG 251, 252; ENG 261, 262; or ENG 271, 272	
Fine Arts Electives** .....	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
SPH 107 Fundamentals of Public Speaking .....	3 hours
Humanities and Fine Arts Electives.....	0-4 hours
Choose from: ART 100, 203, 204; ENG 251, 252, 261, 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152; SPA 101, 102, 201, 202; THR 120, 126	
<b>Total.....</b>	<b>12-13 hours</b>

#### Area III – Natural Sciences and Mathematics

MTH 112 Precalculus Algebra.....	3 hours
Natural Sciences**.....	8 hours
Choose from: AST 220, BIO 103, 104; CHM 104, 105; CHM 111, 112; PHS 111, 112; PHY 120, 201, 202, 213, 214	
<b>Total.....</b>	<b>11 hours</b>

#### Area IV – History, Social, and Behavioral Sciences

History**.....	3 hours
Choose from: HIS 101, 102, 201, or 202	
ECO 231 and 232** .....	6 hours
PSY 200 or SOC 200** .....	3 hours
<b>Total.....</b>	<b>12 hours</b>

#### Area V – Pre-Professional, Major, and Elective Courses

CIS 146 Microcomputer Applications .....	3 hours
BUS 271 Business Statistics I.....	3 hours
BUS 272 Business Statistics II* or Area V Elective.....	3 hours
BUS 241 Principles of Accounting I.....	3 hours
BUS 242 Principles of Accounting II .....	3 hours
MTH 120 Calculus and Its Applications* or Area V Elective....	3 hours
BUS 263 Legal and Social Environment of Business .....	3 hours
<b>Total.....</b>	<b>21 hours</b>
<b>Total Hours Required for Degree .....</b>	<b>62-63 hours</b>

\*Elective hours if these courses are not required by your senior college.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

### Transfer Guide Business Education See Business Education.

Consult four-year catalog and/or STARS Transfer Guide.

### Transfer Guide Chemistry

#### Area I – Written Composition

ENG 101 English Composition I .....	3 hours
ENG 102 English Composition II.....	3 hours
<b>Total.....</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 Fine Arts Elective\*\* ..... 3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Elective\*\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

CHM 111 College Chemistry I ..... 4 hours  
 CHM 112 College Chemistry II ..... 4 hours  
 MTH 125 Calculus I ..... 4 hours  
**Total..... 12 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202  
 Social and Behavioral Sciences\*\* .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210  
**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

PHY 201 or 213\*\* ..... 4 hours  
 PHY 202 or 214\*\* ..... 4 hours  
 CIS 146 ..... 3 hours  
 MTH 126 Calculus II\*\* .....0-4 hours  
 Area V Electives\*\* .....3-10 hours  
**Total.....18-21 hours**  
**Total Hours Required for Degree .....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

**Transfer Guide**

**Clinical Laboratory Sciences/Medical Technology**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours  
**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 Fine Arts Electives\*\* ..... 3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Electives\*\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

CHM 111 College Chemistry I ..... 4 hours  
 CHM 112 College Chemistry II ..... 4 hours  
 MTH 112 Precalculus Algebra ..... 3 hours  
**Total..... 11 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202  
 Social and Behavioral Sciences\*\* .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210  
**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

BIO 103 Principles of Biology I ..... 4 hours  
 CIS 146 Microcomputer Applications ..... 3 hours  
 CHM 221 Organic Chemistry I ..... 4 hours  
 Area V Electives\*\* .....8-11 hours  
**Total.....19-22 hours**  
**Total Hours Required for Degree .....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

*Note: Microbiology (BIO 220), Statistics (MTH 265), A&P I & II (BIO 201 & 202) are required for some institutions. Consult the Catalog of your four-year institution.*

**Transfer Guide**

**Communication Studies or Speech**

**Area I –Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours  
**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 Fine Arts Elective\* ..... 3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Elective\* .....0-4 hours  
 Choose from: ART 100, 203, 204;  
 ENG 251, 252, 261, 262, 271, 272; MUS 101;  
 PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

Natural Sciences\* ..... 8 hours  
 Choose from: AST 220, BIO 103, 104;  
 CHM 104, 105, 111, 112; PHS 111, 112;  
 PHY 120; PHY 120, 201, 202, 213, 214  
 MTH 112 or higher (excluding MTH 116) .....3-4 hours  
**Total..... 11-12 hours**

**Area IV – History, Social and Behavioral Sciences**

History*	3-6 hours
Choose from: HIS 101, 102, or HIS 201, 202	
Social and Behavioral Sciences*	6-9 hours
Choose from: ECO 231, 232; GEO 100; POL 211; PSY 200, 210; SOC 200, 210	
<b>Total</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications	3 hours
Electives: AGSC approved courses not previously taken in Areas I-IV*	9-12 hours
Area V Electives*	6-9 hours
<b>Total</b>	<b>21 hours</b>
<b>Total Hours Required for Degree</b>	<b>62-64 hours</b>

\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide**

**Computer Information Systems  
See Computer Science**

Consult four-year catalog and/or STARS Transfer Guide.

**Transfer Guide  
Computer Science**

**Area I – Written Composition**

ENG 101 English Composition I	3 hours
ENG 102 English Composition II	3 hours
<b>Total</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature*	3-6 hours
Choose from: ENG 251, 252; ENG 261, 262; or ENG 271, 272	
SPH 107 Fundamentals of Public Speaking	3 hours
Fine Arts Elective**	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
Humanities and Fine Arts Elective**	0-4 hours
Choose from: ART 100, 203, 204; ENG 251, 252, 261, 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152; SPA 101, 102, 201, 202; THR 120, 126	
<b>Total</b>	<b>12-13 hours</b>

**Area III – Natural Sciences and Mathematics**

MTH 112 or higher (excluding MTH 116)	3-4 hours
Natural Sciences**	8 hours
Choose from: BIO 103, 104; CHM 104, 105; 111, 112; PHS 111, 112; PHY 120, 201, 202, 213, 214	
<b>Total</b>	<b>11-12 hours</b>

**Area IV – History, Social, and Behavioral Sciences**

History*	3-6 hours
Choose from: HIS 101, 102 or HIS 201, 202	
Social and Behavioral Sciences**	6-9 hours
Choose from: ECO 231, 232; GEO 100; POL 211; PSY 200, 210; SOC 200, 210	
<b>Total</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

MTH 113 Precalculus Trigonometry	3 hours
MTH 125 Calculus I	4 hours
MTH 126 Calculus II	4 hours
CIS 251 C++ Programming	3 hours
Area V Electives**	5-8 hours
<b>Total</b>	<b>19-22 hours</b>
<b>Total Hours Required for Degree</b>	<b>60-64 hours</b>

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide  
Criminal Justice**

**Area I – Written Composition**

ENG 101 English Composition I	3 hours
ENG 102 English Composition II	3 hours
<b>Total</b>	<b>6 hours</b>

**Area II – Humanities and Fine Arts**

Literature*	3-6 hours
Choose from: ENG 251, 252; ENG 261, 262; or ENG 271, 272	
SPH 107 Fundamentals of Public Speaking	3 hours
Fine Arts Elective**	3 hours
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126	
Humanities and Fine Arts Elective**	0-4 hours
Choose from: ART 100, 203, 204; ENG 251, 252, 261, 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152; SPA 101, 102, 201, 202; THR 120, 126	
<b>Total</b>	<b>12-13 hours</b>

**Area III – Natural Sciences and Mathematics**

Natural Sciences**	8 hours
Choose from: AST 220; BIO 103, 104; CHM 104, 105, 111, 112; PHS 111, 112; PHY 120, 201, 202, 213, 214	
MTH 110 or higher (excluding MTH 116)**	3-4 hours
<b>Total</b>	<b>11-12 hours</b>

**Area IV – History, Social, and Behavioral Sciences**

History*	3-6 hours
Choose from: HIS 101, 102; HIS 201, 202	
Social and Behavioral Sciences	6-9 hours
Choose from: ECO 231, 232; GEO 100; POL 211; PSY 200, 210, SOC, 200, 210	
<b>Total</b>	<b>12 hours</b>

**Area V – Pre-Professional, Major, and Elective Courses**

CRJ 100 Introduction to Criminal Justice	3 hours
CRJ 110 Introduction to Law Enforcement, or CRJ 150 Introduction to Corrections, or CRJ 160 Introduction to Security	3 hours
CIS 146 Microcomputer Applications	3 hours

\*\*Area V Electives ..... 12 hours  
**Total..... 21 hours**  
**Total Hours Required for Degree .....62-64 hours**

\*Students must take a sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide  
Economics  
See Business.**

**Consult four-year catalog and/or STARS Transfer Guide.**

**Transfer Guide  
Art Education**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
ENG 102 English Composition II..... 3 hours  
**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
Choose from: ENG 251, 252; ENG 261, 262; or  
ENG 271, 272  
SPH 107 Fundamentals of Public Speaking ..... 3 hours  
ART 100 Art Appreciation ..... 3 hours  
Humanities and Fine Arts Elective\*\* .....0-4 hours  
Choose from: ART 203, ENG 251, 252, 261, 262,  
271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

Natural Science Sequence\*\* ..... 8 hours  
Choose from: AST 220; BIO 103, 104; CHM 104, 105, 111, 112;  
PHS 111, 112; PHY 120, 201, 202, 213, 214  
MTH 110 or higher (excluding MTH 116)\*\* .....3-4 hours  
**Total..... 11-12 hours**

**Area IV – History, Social, and Behavioral Science**

History\* .....3-6 hours  
Choose from: HIS 101, 102 or HIS 201, 202  
Social and Behavioral Sciences\*\* .....6-9 hours  
Choose from: ECO 231, 232; GEO 100; POL 211;  
PSY 200, 210; SOC 200, 210  
**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications ..... 3 hours  
ART 113 Drawing I..... 3 hours  
ART 114 Drawing II..... 3 hours  
ART 121 Two-Dimensional Comp I..... 3 hours  
ART 127 Three-Dimensional Comp II ..... 3 hours  
ART 204 Art History II ..... 3 hours  
**Total..... 21 hours**  
**Total Hours Required for Degree .....63-64 hours**

\*Must take a 6 semester-hour sequence either in literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide**

**Biology Education: Middle/High School**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
ENG 102 English Composition II..... 3 hours  
**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
Choose from: ENG 251, 252; ENG 261, 262; or  
ENG 271, 272  
SPH 107 Fundamentals of Public Speaking ..... 3 hours  
Fine Arts Elective\*\* ..... 3 hours  
Choose from: ART 100, 203, 204; MUS 101;  
THR 120, 126  
Humanities and Fine Arts Elective\*\* .....0-4 hours  
Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

BIO 103 Principles of Biology I ..... 4 hours  
BIO 104 Principles of Biology II ..... 4 hours  
MTH 112 or higher (excluding MTH 116) .....3-4 hours  
**Total..... 11-12 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
Choose from: HIS 101, 102 or HIS 201, 202  
Social and Behavioral Sciences\*\* .....6-9 hours  
Choose from: ECO 231, 232; GEO 100;  
POL 211; PSY 200, 210; SOC 200, 210  
**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications ..... 3 hours  
CHM 111, 112 College Chemistry I-II ..... 8 hours  
Area V Electives\*\* .....8-10 hours  
**Total.....19-21 hours**  
**Total Hours Required for Degree .....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide**

**Business Education: Middle/High School**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
ENG 102 English Composition II..... 3 hours  
**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature ..... 6 hours  
Choose from: ENG 251, 252, 261, 262; or 271, 272  
Fine Arts Elective\*\* ..... 3 hours  
Choose from: ART 100, 203, 204; MUS 101; THR 120, 126  
SPH 107 Fundamentals of Public Speaking ..... 3 hours  
**Total..... 12 hours**



**Area III – Natural Sciences and Mathematics**

MTH 110 or higher (excluding MTH 116)\* .....3-4 hours  
 Natural Sciences\* ..... 8 hours  
 Choose from: AST 220; BIO 103, 104;  
 CHM 104, 105, 111, 112; PHS 111, 112;  
 PHY 120, 201, 202, 213, 214

**Total..... 11-12 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\*\* ..... 3 hours  
 Choose from: HIS 101, 102, 201, or 202  
 ECO 231 or ECO 232\* ..... 3 hours  
 History, Social, and Behavioral Sciences Elective ..... 6 hours  
 Choose from: HIS 101, 102, 201, 202; POL 211;  
 PSY 200, 210; SOC 200; ECO 231, 232

**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

BUS 241 Principles of Accounting I ..... 3 hours  
 BUS 242 Principles of Accounting II ..... 3 hours  
 BUS 263 The Legal and Social Environment of Business ..... 3 hours  
 CIS 146 Microcomputer Applications ..... 3 hours  
 Elective Courses by Advisement ..... 9 hours

**Total Area V..... 21 hours**

**Total Hours Required for Degree ..... 62-63 hours**

\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

**Transfer Guide**

**Chemistry Education: Middle/High School**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours

**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 Fine Arts Elective\*\* ..... 3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Elective\*\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126

**Total..... 12-13 hours**

**Area III – Natural Sciences and Mathematics**

CHM 111 College Chemistry I ..... 4 hours  
 CHM 112 College Chemistry II ..... 4 hours  
 MTH 125 Calculus I ..... 4 hours

**Total..... 12 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202

Social and Behavioral Sciences\*\* .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210

**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

PHY 201, 202 or PHY 213, 214 ..... 8 hours  
 CIS 146 Microcomputer Applications ..... 3 hours  
 MTH 126 .....0-4 hours  
 Area V Electives\*\* .....3-10 hours

**Total..... 18-21 hours**

**Total Hours Required for Degree ..... 60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

**Transfer Guide**

**Early Childhood Education (P-3): Athens Only**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours

**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 Fine Arts Elective\*\* ..... 3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Elective\*\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126

**Total..... 12-13 hours**

**Area III – Natural Sciences and Mathematics**

Natural Sciences ..... 8 hours  
 Choose from: BIO 103, 104; PHS 111, 112  
 MTH 110 or higher (excluding MTH 116)\*\* ..... 3 hours

**Total..... 11 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202  
 PSY 200 General Psychology ..... 3 hours  
 PSY 210 Human Growth and Development ..... 3 hours  
 Social and Behavioral Sciences\*\* .....0-3 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; SOC 200, 210

**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

Area III Electives representing a discipline other than biology .. 4 hours  
 Such as: CHM 104, 105, 111, 112; PHS 111, 112;  
 PHY 201, 202, 213, 214\*\* ..... 9 hours  
 Mathematics Electives\*\* ..... 9 hours  
 CHD 206 Children’s Health and Safety ..... 3 hours

CHD 209 Infant and Toddler Education Programs.....	3 hours
CHD Elective.....	3 hours
Choose from: CHD 203, CHD 204, CHD 205, CHD 215	

**Total..... 22 hours**  
**Total Hours Required for Degree .....63-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

### Transfer Guide

#### Elementary/Early Childhood Education (K-6)

##### Area I – Written Composition

ENG 101 English Composition I.....	3 hours
ENG 102 English Composition II.....	3 hours

**Total..... 6 hours**

##### Area II – Humanities and Fine Arts

Literature*.....	3-6 hours
Choose from: ENG 251, 252; ENG 261, 262; or ENG 271, 272	

SPH 107 Fundamentals of Public Speaking.....	3 hours
--	---------

Fine Arts Elective**.....	3 hours
---------------------------	---------

    Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126

Humanities and Fine Arts Elective**.....	0-4 hours
--	-----------

    Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126

**Total..... 12-13 hours**

##### Area III – Natural Sciences and Mathematics

BIO 103 Principles of Biology I**.....	4 hours
--	---------

BIO 104 Principles of Biology II**.....	4 hours
---	---------

MTH 110 or higher (excluding MTH 116)**.....	3 hours
--	---------

**Total..... 11 hours**

##### Area IV – History, Social, and Behavioral Sciences

History*.....	3-6 hours
---------------	-----------

    Choose from: HIS 101, 102 or HIS 201, 202

Social and Behavioral Sciences**.....	6-9 hours
---------------------------------------	-----------

    Choose from: ECO 231, 232; GEO 100; POL 211;  
 PSY 200, 210; SOC 200, 210

**Total..... 12 hours**

##### Area V – Pre-Professional, Major, and Elective Courses

CIS 146 Microcomputer Applications.....	3 hours
---	---------

Area III Electives representing a discipline other than

    Biology such as CHM 104, 105; CHM 111, 112;

    PHS 111, 112; PHY 201, 202, 213, 214\*\*.....

Mathematics Electives**.....	9 hours
------------------------------	---------

Area V Electives**#.....	3-6 hours
--------------------------	-----------

**Total..... 19-22 hours**

**Total Hours Required for Degree .....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

#JSU requires CHD 210 and CHD 203 in Area V.

### Transfer Guide English/Language Arts Education: Middle/High School

#### Area I – Written Composition

ENG 101 English Composition I.....	3 hours
------------------------------------	---------

ENG 102 English Composition II.....	3 hours
-------------------------------------	---------

**Total..... 6 hours**

#### Area II – Humanities and Fine Arts

ENG 261 English Literature I.....	3 hours
-----------------------------------	---------

ENG 262 English Literature II.....	3 hours
------------------------------------	---------

SPH 107 Fundamentals of Public Speaking.....	3 hours
--	---------

THR 120 Theater Appreciation or

THR 126 Introduction to Theater.....	3 hours
--------------------------------------	---------

**Total..... 12 hours**

#### Area III – Natural Sciences and Mathematics

Natural Science Sequence*.....	8 hours
--------------------------------	---------

    Choose from: AST 220; BIO 103, 104; CHM 104, 105, 111, 112;

    PHS 111, 112; PHY 120, 201, 202, 213, 214

MTH 110 or higher (excluding MTH 116)*.....	3-4 hours
---	-----------

**Total..... 11-12 hours**

#### Area IV – History, Social, and Behavioral Sciences

History.....	3-6 hours
--------------	-----------

    Choose from: HIS 101, 102, 201, or 202

Social and Behavioral Sciences*.....	6-9 hours
--------------------------------------	-----------

    Choose from: ECO 231, 232; GEO 100; POL 211;

    PSY 200, 210; SOC 200, 210

**Total..... 12 hours**

#### Area V – Pre-Professional, Major, and Elective Courses

CIS 146 Microcomputer Applications.....	3 hours
---	---------

ENG 251 American Literature I.....	3 hours
------------------------------------	---------

ENG 252 American Literature II.....	3 hours
-------------------------------------	---------

ENG 271, 272 World Literature I-II.....	6 hours
---	---------

Area V Electives*†.....	4 hours
-------------------------	---------

**Total..... 19 hours**

**Total Hours Required for Degree .....60-61 hours**

\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

†Some 4-year colleges require a sequence in foreign language.

### Transfer Guide

#### General Science Education: Middle/High School

##### Area I – Written Composition

ENG 101 English Composition I.....	3 hours
------------------------------------	---------

ENG 102 English Composition II.....	3 hours
-------------------------------------	---------

**Total..... 6 hours**

##### Area II – Humanities and Fine Arts

Literature*.....	3-6 hours
------------------	-----------

    Choose from: ENG 251, 252; ENG 261, 262; or

    ENG 271, 272

SPH 107 Fundamentals of Public Speaking.....	3 hours
--	---------

Fine Arts Elective**.....	3 hours
---------------------------	---------

    Choose from: ART 100, 203, 204; MUS 101;

    THR 120, 126

Humanities and Fine Arts Elective\*\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126

**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

BIO 103 Principles of Biology I ..... 4 hours  
 BIO 104 Principles of Biology II ..... 4 hours  
 MTH 113 or 125\*\* # .....3-4 hours

**Total..... 11-12 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202  
 Social and Behavioral Sciences\*\* .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210

**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses#**

CHM 111 College Chemistry I ..... 4 hours  
 CHM 112 College Chemistry II ..... 4 hours  
 CIS 146 Microcomputer Applications ..... 3 hours  
 PHY 201 or PHY 213\*\* ..... 4 hours  
 Area V Electives\*\* .....4-6 hours

**Total.....19-21 hours**

**Total Hours Required for Degree .....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

#The General Science Education Program is quite different at several four-year institutions. Closely consult the four-year catalog and your advisor in addition to the STARS Transfer Guide.

**Transfer Guide**

**Health Education: Middle/High School**

**See Physical Education.**

**Consult four-year catalog and/or STARS Transfer Guide.**

**Transfer Guide**

**History Education: Middle/High School**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours

**Total.....6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 Fine Arts Elective\* ..... 3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126

Humanities and Fine Arts Elective .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126

**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

Natural Sciences ..... 8 hours  
 Choose from: AST 220; BIO 103, 104; CHM 104, 105;  
 111, 112; PHS 111, 112; PHY 120, 201, 202, 213, 214

MTH 110 or higher (excluding MTH 116)\*\* .....3-4 hours

**Total..... 11-12 hours**

**Area IV – History, Social and Behavioral Sciences**

HIS 101 History of Western Civilization I ..... 3 hours  
 HIS 102 History of Western Civilization II ..... 3 hours  
 Social and Behavioral Sciences\* .....6 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210

**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

HIS 201 U.S. History I ..... 3 hours  
 HIS 202 U.S. History II ..... 3 hours  
 CIS 146 Microcomputer Applications ..... 3 hours  
 Area V Electives\* ..... 10-12 hours

**Total.....19-21 hours**

**Total Hours Required for Degree .....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:

<http://stars.troy.edu>

**Transfer Guide**

**Mathematics Education: Middle/High School**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours

**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272

SPH 107 Fundamentals of Public Speaking ..... 3 hours

Fine Arts Elective\* ..... 3 hours

Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126

Humanities and Fine Arts Elective\*\* .....0-4 hours

Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; MUS 101; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126

**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

\*\*Natural Sciences ..... 8 hours  
 Choose from: AST 220; BIO 103, 104;  
 CHM 104, 105, 111, 112; PHS 111, 112;  
 PHY 120, 201, 202, 213, 214

MTH 113 or higher (excluding MTH 116)\*\* .....3-4 hours

**Total..... 11-12 hours**

**Area IV – History, Social and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202  
 Social and Behavioral Sciences\*\* .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210  
**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

MTH 125 Calculus I ..... 4 hours  
 MTH 126 Calculus II ..... 4 hours  
 MTH 227 Calculus III..... 4 hours  
 CIS 146 or 251\*\* ..... 3 hours  
 Area V Electives\*\* .....4-6 hours  
**Total.....19-23 hours**  
**Total Hours Required for Degree .....60-64 hours**

\*Must take a 6 semester-hour sequence in either literature or history.

\*\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide  
 Music Education: Middle/High School**

**Area I – Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours  
**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 MUS 101 Music Appreciation ..... 3 hours  
 Humanities and Fine Arts Elective# .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252, 261,  
 262, 271, 272; PHL 206; REL 100, 151, 152;  
 SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

Natural Sciences# ..... 8 hours  
 Choose from: AST 220; BIO 103, 104; CHM 104, 105;  
 CHM 111, 112; PHS 111, 112; PHY 120, 201, 202, 213, 214  
 MTH 110 or higher (excluding MTH 116)# .....3-4 hours  
**Total..... 11-12 hours**

**Area IV – History, Social, and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, 102 or HIS 201, 202  
 Social and Behavioral Sciences# .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100; POL 211;  
 PSY 200, 210; SOC 200, 210  
**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications ..... 3 hours  
 Music Theory ..... 8 hours  
 Choose from: MUS 111, 112 or MUS 211, 212  
 Studio Courses\*\* ..... 5 hours

Music Ensembles\*\*\* ..... 4 hours  
**Total..... 20 hours**  
**Total Hours Required for Degree .....61-63 hours**

\*Must take a 6 semester-hour sequence either in literature or history.

\*\*Individual performance instruction taken from MUP courses–must include a complete sequence in a single instrument.

\*\*\*Taken from MUL 180 or above.

#Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

**Transfer Guide  
 Physical Education: (K-12)**

**Area I –Written Composition**

ENG 101 English Composition I ..... 3 hours  
 ENG 102 English Composition II ..... 3 hours  
**Total..... 6 hours**

**Area II – Humanities and Fine Arts**

Literature\* .....3-6 hours  
 Choose from: ENG 251, 252; ENG 261, 262; or  
 ENG 271, 272  
 SPH 107 Fundamentals of Public Speaking ..... 3 hours  
 Fine Arts Elective\* ..... 3 hours  
 Choose from: ART 100, 203, 204; MUS 101;  
 THR 120, 126  
 Humanities and Fine Arts Elective\* .....0-4 hours  
 Choose from: ART 100, 203, 204; ENG 251, 252,  
 261, 262, 271, 272; MUS 101; PHL 206; REL 100, 151,  
 152; SPA 101, 102, 201, 202; THR 120, 126  
**Total.....12-13 hours**

**Area III – Natural Sciences and Mathematics**

Natural Sciences\* ..... 8 hours  
 Choose from: AST 220, BIO 103, 104;  
 CHM 104, 105, 111, 112; PHS 111, 112;  
 PHY 120, 201, 202, 213, 214  
 MTH 112 or higher (excluding MTH 116) .....3-4 hours  
**Total..... 11-12 hours**

**Area IV – History, Social and Behavioral Sciences**

History\* .....3-6 hours  
 Choose from: HIS 101, HIS 102, or HIS 201, HIS 202  
 Social and Behavioral Sciences\* .....6-9 hours  
 Choose from: ECO 231, 232; GEO 100;  
 POL 211; PSY 200, 210; SOC 200, 210  
**Total..... 12 hours**

**Area V – Pre-Professional, Major, and Elective Courses**

CIS 146 Microcomputer Applications ..... 3 hours  
 BIO 201 Human Anatomy and Physiology I ..... 4 hours  
 HED 230 Safety and First Aid ..... 3 hours  
 PED 200\*\* Foundations of Physical Education ..... 3 hours  
 Area V Electives\* .....6-8 hours  
**Total.....19-21 hours**  
**Total Hours Required for Degree .....60-64 hours**

\*Consult four-year catalog and/or STARS Transfer Guide:  
<http://stars.troy.edu>

\*\*Health Education requires HEC-140 in place of PED 200