

# CATALOG

## 2024-2025



This publication includes changes and corrections to the 2024-2025 Rend Lake College Catalog.

# ADDENDUM

**GRADUATION REQUIREMENTS –  
A.A. / A.S. / A.F.A. / A.E.S. DEGREE**

It is the student’s responsibility to see that all graduation requirements are satisfied. Students are encouraged to work closely with an advisor to monitor educational progress through graduation.

The student who elects to earn an Associate in Arts Degree, Associate in Science Degree, Associate in Fine Arts Degree or Associate in Engineering Science Degree must:

1. Earn a minimum of 64 semester hours of credit, including:
  - a) 55 semester hours in courses which have a second digit of “1”;
  - b) Courses from each of the following areas – social and behavioral sciences; mathematics, science, humanities and fine arts, communications, and multiculturalism;
  - c) A maximum of eight (8) semester hours of ~~one-credit hour~~ PYED courses;
  - d) ~~No more than nine (9) semester hours of credit from courses with a second digit of “2,” provided the courses have been articulated.~~ (See an academic advisor for the approved courses);
  - e) Complete the Orientation (ORIE 1101) course.

**BASIC NURSING ASSISTANT TRAINING (CNA)**

*Occupational Certificate*

ALLIED HEALTH DIVISION

This course is designed to prepare the individual to work in the role of a Certified Nurse Assistant in a variety of health care settings. It is approved by the Illinois Department of Public Health. Upon successful completion of classroom and clinical experiences, the student will be eligible to apply to take the state CNA registry examination. The class must be completed with a grade of "C" or better. ► **Total = 7 Hours**

Prerequisite: Student must score a 253 235 or higher on the reading portion of the Accuplacer test.

<input type="checkbox"/>	CNA 1201 Certified Nurse Assistant *	<b>Cr. Hrs.</b>	7
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\* All students in program must go through background check as required by the Illinois Department of Public Health.

**GRADUATION REQUIREMENTS –  
OCCUPATIONAL CERTIFICATES**

It is the student’s responsibility to see that all graduation requirements are satisfied. Students are encouraged to work closely with an advisor to monitor educational progress through graduation.

1. Successfully meet requirements of the declared curriculum and achieve an overall grade-point average of 2.0 (“C”) for all courses presented to meet the requirements of the declared curriculum. (EXCEPTIONS: Some programs require a grade of “C” or better in each course.)
2. Complete Orientation (ORIE 1101) or Employability Skills (BUSI 1202) unless the student has previously earned a degree.
3. Complete at least half- 25% of the required hours of the declared curriculum as a Rend Lake College student.

**CRIMINAL JUSTICE**

*Associate in Applied Science Degree*

APPLIED SCIENCE & TECHNOLOGY DIVISION

This two-year program leads to an Associate in Applied Science Degree in Criminal Justice (64 hours), with specializations in either police science or corrections. The curriculum is designed to provide students with a general background in all areas of criminal justice and prepare them for positions in police science, private security or corrections. Graduates will be prepared for jobs in police and sheriff departments, private security firms and correctional institutions. The curriculum provides those in the field with a means to upgrade job skills and enhance advancement potential. Upon completion of the AAS degree students may transfer with articulation agreements/capstone options into a participating four-year institution. ► **Total = 64 Hours**

<b>First Semester</b>		<b>Cr. Hrs.</b>
<input type="checkbox"/>	CRJS 1201 Introduction to Criminal Justice	3
<input type="checkbox"/>	CRJS 1202 Criminology	3
<input type="checkbox"/>	CRJS 1203 Introduction to Corrections	3
<input type="checkbox"/>	CSCI 1101 Introduction to Computers + <b>or</b>	
	CSCI 1102 Intro to Computers w/ Business Applications	3
<input type="checkbox"/>	ENGL 1101 Rhetoric and Composition I <sup>2 1</sup>	<u>3</u>
		<b>15</b>

<b>Second Semester</b>		
<input type="checkbox"/>	MATH 1107 Contemporary College Mathematics <sup>1 **</sup> <b>or</b>	
	<b>MATH 1201 Technical Mathematics</b> <sup>2</sup>	3
<input type="checkbox"/>	CRJS 2208 Criminal Investigation	3
<input type="checkbox"/>	CRJS 1206 Community-Based Corrections	3
<input type="checkbox"/>	CRJS 2209 Criminal Law	3
<input type="checkbox"/>	CRJS 1204 Community Policing	3
<input type="checkbox"/>	PSYC 2101 Intro to Psychology	<u>3</u>
		<b>18</b>

<b>Third Semester</b>		
<input type="checkbox"/>	CRJS 2204 Criminal Justice Administration	3
<input type="checkbox"/>	CRJS 2205 Police Weapons / Defensive Tactics	3
<input type="checkbox"/>	CRJS 2220 Loss Control and Crime Prevention* <b>or</b>	
	CRJS 2212 Correctional Counseling*	3
<input type="checkbox"/>	CRJS 2206 Criminal Procedure	3
<input type="checkbox"/>	CRJS 1220 Introduction to Private Security	<u>3</u>
		<b>15</b>

<b>Fourth Semester</b>		
<input type="checkbox"/>	CRJS 2202 Juvenile Justice	3
<input type="checkbox"/>	CRJS 2225 Crime Scene Investigation	4
<input type="checkbox"/>	CRJS 1208 Private Investigator	3
<input type="checkbox"/>	COMM 1101 Principles of Effective Speaking	3
<input type="checkbox"/>	Elective - Core	<u>3</u>
		<b>16</b>

<b>CORE ELECTIVES</b>		
	CRJS 1209 Law Enforcement Scenarios	3
	CRJS 1250 Special Topics in Criminal Justice	3
	CRJS 2210 Criminal Justice Internship	3

\*CRJS Electives:

- CRJS 2220 - Private Protection Certificate
- CRJS 2212 - Police and Corrections Certificate

Note: Any CRJS course not required which is offered may be taken as an elective. Consult advisor for elective choices to consider for transfer and other options.

<sup>+</sup>—Student must pass pre-test prior to enrolling in course.

<sup>2 1</sup> Prerequisite course(s) may be required based on test scores.

<sup>2</sup> MATH 1107 or higher needd for transfer

**EXISTING: AGRICULTURE BUSINESS**

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester		Cr. Hrs.
<input type="checkbox"/>	AGRI 1161 SOIL SCIENCE	4
<input type="checkbox"/>	AGRI 1222 APPLIED MATHEMATICS	3
<input type="checkbox"/>	AGRI 1285 AGRICULTURAL TECHNOLOGIES	3
<input type="checkbox"/>	AGRI 1251 INTRO TO AG PRODUCTION	3
<input type="checkbox"/>	ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
		16
Second Semester		
<input type="checkbox"/>	AGRI 1141 AGRICULTURAL ECONOMICS	3
<input type="checkbox"/>	AGRI 1210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/>	AGRI 1221 INTRO TO AG OCCUPATIONS or or BUSI 1202 EMPLOYABILITY SKILLS	1
<input type="checkbox"/>	AGRI 1223 INTRODUCTION TO AG BUSINESS	3
<input type="checkbox"/>	AGRI 1262 AGRICULTURAL CHEMICALS	<u>3</u>
		14
Third Semester		
<input type="checkbox"/>	AGRI 1263 CROP SCIENCE	4
<input type="checkbox"/>	AGRI 2223 AGRICULTURAL FINANCE	3
<input type="checkbox"/>	AGRI 2225 FOOD AND AGRICULTURAL POLICY	3
<input type="checkbox"/>	COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	3
<input type="checkbox"/>	CSCI 1102 INTRO TO COMPUTERS W/BUSINESS APPLICATIONS	<u>3</u>
<input type="checkbox"/>	PSYC 2101 INTRODUCTION TO PSYCHOLOGY or PSYC 2106 HUMAN RELATIONS	<u>3</u>
		19
Fourth Semester		
<input type="checkbox"/>	AGRI 1181 INTRODUCTION TO ANIMAL SCIENCE	4
<input type="checkbox"/>	AGRI 2210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/>	AGRI 2241 FARM MANAGEMENT	3
<input type="checkbox"/>	AGRI 2242 MARKETING AG PRODUCTS	5
<input type="checkbox"/>	GENERAL EDUCATION ELECTIVE	<u>3</u>
		19
<b>Total Hours = 68</b>		

**PROPOSED: AGRICULTURE BUSINESS**

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester		Cr. Hrs.
<input type="checkbox"/>	AGRI 1161 SOIL SCIENCE	4
<input type="checkbox"/>	AGRI 1222 APPLIED MATHEMATICS	3
<input type="checkbox"/>	AGRI 1285 AGRICULTURAL TECHNOLOGIES	3
<input type="checkbox"/>	AGRI 1251 INTRO TO AG PRODUCTION	3
<input type="checkbox"/>	ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
		16
Second Semester		
<input type="checkbox"/>	AGRI 1141 AGRICULTURAL ECONOMICS	3
<input type="checkbox"/>	AGRI 1210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/>	AGRI 1221 INTRO TO AG OCCUPATIONS or or BUSI 1202 EMPLOYABILITY SKILLS	1
<input type="checkbox"/>	AGRI 1223 INTRODUCTION TO AG BUSINESS	3
<input type="checkbox"/>	AGRI 1262 AGRICULTURAL CHEMICALS	<u>3</u>
		14
Third Semester		
<input type="checkbox"/>	AGRI 1263 CROP SCIENCE	4
<input type="checkbox"/>	AGRI 2223 AGRICULTURAL FINANCE	3
<input type="checkbox"/>	AGRI 2225 FOOD AND AGRICULTURAL POLICY	3
<input type="checkbox"/>	COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	3
<input type="checkbox"/>	CSCI 1102 INTRO TO COMPUTERS W/BUSINESS APPLICATIONS or CSCI 1101 <u>INTRO TO COMPUTERS</u>	<u>3</u>
<input type="checkbox"/>	PSYC 2101 INTRODUCTION TO PSYCHOLOGY or PSYC 2106 HUMAN RELATIONS	<u>3</u>
		19
Fourth Semester		
<input type="checkbox"/>	AGRI 1181 INTRODUCTION TO ANIMAL SCIENCE	4
<input type="checkbox"/>	AGRI 2210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/>	AGRI 2241 FARM MANAGEMENT	3
<input type="checkbox"/>	AGRI 2242 MARKETING AG PRODUCTS	5
<input type="checkbox"/>	GENERAL EDUCATION ELECTIVE	<u>3</u>
		19
<b>Total Hours = 68</b>		

**PAGES 81 & 82 CHANGES TO AGRICULTURAL PRODUCTION & MANAGEMENT AAS DEGREE**

**EXISTING:** AGRICULTURAL PRODUCTION & MANAGEMENT

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1161 SOIL SCIENCE	4
<input type="checkbox"/> AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/> AGRI 1222 APPLIED MATHEMATICS or MATH MATH ELECTIVE	3
<input type="checkbox"/> AGRI 1251 INTRO TO AG PRODUCTION	3
<input type="checkbox"/> ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
	19
Second Semester	
<input type="checkbox"/> AGRI 1141 AGRICULTURAL ECONOMICS	3
<input type="checkbox"/> AGRI 1210 SUPERVISED OCCUPATIONAL EXPERINCE	4
<input type="checkbox"/> AGRI 1221 INTRO TO AG OCCUPATIONS or or BUSI 1202 EMPLOYABIITY SKILLS	1
<input type="checkbox"/> AGRI 1223 INTRODUCTION TO AG BUSINESS	3
<input type="checkbox"/> AGRI 1262 AGRICULTURAL CHEMICALS	3
<input type="checkbox"/> COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	<u>3</u>
	17
Third Semester	
<input type="checkbox"/> AGRI 1205 ASSEMBLING, ADJUSTMENT & MAINTENANCE or or AGRI 1207 MACHINERY RECONIDITION RESTORATION	5
<input type="checkbox"/> AGRI 1263 CROP SCIENCE	4
<input type="checkbox"/> AGRI 1285 AGRICULTURAL TECHNOLOGIES	3
<input type="checkbox"/> AGRI 2225 FOOD AND AGRICULTURAL POLICY	3
<input type="checkbox"/> PSYC 2101 INTRODUCTION TO PSYCHOLOGY or PSYC 2106 HUMAN RELATIONS	<u>3</u>
	18
Fourth Semester	
<input type="checkbox"/> AGRI 1181 INTRODUCTION TO ANIMAL SCIENCE	4
<input type="checkbox"/> AGRI 2241 FARM MANAGEMENT	3
<input type="checkbox"/> AGRI 2242 MARKETING AG PRODUCTS	5
<input type="checkbox"/> <del>DIEL 1202</del> BASIC DIESEL FUEL SYSTEMS	2
<input type="checkbox"/> GENERAL EDUCATION ELECTIVE	<u>3</u>
	17
<b>TOTAL HOURS</b>	<b>71</b>

**PROPOSED:** AGRICULTURAL PRODUCTION & MANAGEMENT

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1161 SOIL SCIENCE	4
<input type="checkbox"/> AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/> AGRI 1222 APPLIED MATHEMATICS or or MATH MATH ELECTIVE	3
<input type="checkbox"/> AGRI 1251 INTRO TO AG PRODUCTION	3
<input type="checkbox"/> ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
	19
Second Semester	
<input type="checkbox"/> AGRI 1141 AGRICULTURAL ECONOMICS	3
<input type="checkbox"/> AGRI 1210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/> AGRI 1221 INTRO TO AG OCCUPATIONS or or <b>BUSI 1202 EMPLOYABIITY SKILLS</b>	1
<input type="checkbox"/> AGRI 1223 INTRODUCTION TO AG BUSINESS	3
<input type="checkbox"/> AGRI 1262 AGRICULTURAL CHEMICALS	3
<input type="checkbox"/> COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	<u>3</u>
	17
Third Semester	
<input type="checkbox"/> AGRI 1205 ASSEMBLING & ADJUSTMENT of Farm Equipment or AGRI 1207 MACHINERY RECONIDITION & RESTORATION	5
<input type="checkbox"/> AGRI 1263 CROP SCIENCE	4
<input type="checkbox"/> AGRI 1285 AGRICULTURAL TECHNOLOGIES	3
<input type="checkbox"/> AGRI 2225 FOOD AND AGRICULTURAL POLICY	3
<input type="checkbox"/> PSYC 2101 INTRODUCTION TO PSYCHOLOGY or PSYC 2106 HUMAN RELATIONS	<u>3</u>
	18
Fourth Semester	
<input type="checkbox"/> AGRI 1181 INTRODUCTION TO ANIMAL SCIENCE	4
<input type="checkbox"/> AGRI 2241 FARM MANAGEMENT	3
<input type="checkbox"/> AGRI 2242 MARKETING AG PRODUCTS	5
<input type="checkbox"/> <u>ELECTIVE</u>	2
<input type="checkbox"/> GENERAL EDUCATION ELECTIVE	<u>3</u>
	17
<b>TOTAL HOURS</b>	<b>71</b>

**RECOMMENDED ELECTIVES**

AGRI 1209	SUPERVISED OCCUPATIONAL EXPERIENCE	2
AGRI 2223	AGRICULTURAL FINANCE <sup>2</sup>	3
WELD 1270	INTRO TO WELDING PROCESSES	4

<sup>2</sup>Highly recommended for students in Ag Production/Management.

**EXISTING:** DIESEL TECHNOLOGY

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/> CSCI 1102 INTRO TO COMPUTERS W/BUSINESS APPLICATIONS	3
or CSCI 1101 INTRO TO COMPUTERS	
<input type="checkbox"/> DIEL 1208 DIESEL ACCESSORIES	2
<input type="checkbox"/> PSYC 2101 INTRODUCTION TO PSYCHOLOGY	<del>3</del>
<input type="checkbox"/> ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
	<b>17</b>
<b>Second Semester</b>	
<input type="checkbox"/> AGRI 1204 PHYSICS OF HYDRAULICS	4
<input type="checkbox"/> COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	3
<input type="checkbox"/> DIEL 1202 BASIC DIESEL FUEL SYSTEMS	<del>2</del>
<input type="checkbox"/> DIEL 1210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/> DIEL 1205 HEAVY EQUIPMENT BRAKES	<u>3</u>
	<b>16</b>
<b>Third Semester</b>	
<input type="checkbox"/> AGRI 1203 IGNITION AND ELECTRICAL SYSTEMS	5
<input type="checkbox"/> AGRI 1222 APPLIED MATHEMATICS	3
<input type="checkbox"/> AGRI 2201 TRANSMISSIONS AND POWER TRAINS	4
<input type="checkbox"/> DIEL 1204 INTERMEDIATE DIESELS	<del>4</del>
	<b>16</b>
<b>Fourth Semester</b>	
<input type="checkbox"/> AGRI 1206 AG AIR CONDITIONING SYSTEMS	4
<input type="checkbox"/> AGRI 2204 ADVANCED MAJOR OVERHAUL	5
<input type="checkbox"/> DIEL 1206 ADVANCED DIESELS	2
<input type="checkbox"/> DIEL 1203 HEAVY EQUIPMENT ALIGNMENT	2
<input type="checkbox"/> DIEL 2210 SUPERVISED OCCUPATIONAL EXPERIENCE	<u>4</u>
or AGRI 2206 ADVANCED ELECTRICAL AND HYDRAULICS	
	17
<b>TOTAL HOURS</b>	<b>66</b>

**PROPOSED:** DIESEL TECHNOLOGY

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/> CSCI 1102 INTRO TO COMPUTERS W/BUSINESS APPLICATIONS	3
or CSCI 1101 INTRO TO COMPUTERS	
<input type="checkbox"/> DIEL 1208 DIESEL ACCESSORIES	2
<input type="checkbox"/> <u>HEQT 1201 HEAVY EQUIPMENT MAINTENANCE</u>	<u>4</u>
<input type="checkbox"/> ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
	<b>18</b>
<b>Second Semester</b>	
<input type="checkbox"/> AGRI 1204 PHYSICS OF HYDRAULICS	4
<input type="checkbox"/> COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	3
<input type="checkbox"/> <u>DIEL 1201 DIESEL FUEL SYSTEMS</u>	<u>3</u>
or HEQT 1211 ENGINE FUEL SYSTEMS	
<input type="checkbox"/> DIEL 1210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/> DIEL 1205 HEAVY EQUIPMENT BRAKES	3
<input type="checkbox"/> AGRI 1221 INTRO TO AG OCCUPATIONS	<u>1</u>
	<b>18</b>
<b>Third Semester</b>	
<input type="checkbox"/> <u>AGRI 1203 IGNITION AND ELECTRICAL SYSTEMS</u>	<u>3</u>
or HEQT 1208 FUNDAMENTALS OF MACHINE ELECTRONICS	
<input type="checkbox"/> AGRI 1222 APPLIED MATHEMATICS	3
<input type="checkbox"/> AGRI 2201 TRANSMISSIONS AND POWER TRAINS	4
<input type="checkbox"/> <u>PSYC 2101 INTRODUCTION TO PSYCHOLOGY</u>	<u>3</u>
	<b>13</b>
<b>Fourth Semester</b>	
<input type="checkbox"/> AGRI 1206 AG AIR CONDITIONING SYSTEMS	4
<input type="checkbox"/> AGRI 2204 ADVANCED MAJOR OVERHAUL	5
<input type="checkbox"/> DIEL 1206 ADVANCED DIESELS	2
<input type="checkbox"/> DIEL 1203 HEAVY EQUIPMENT ALIGNMENT	2
<input type="checkbox"/> AGRI 2206 ADVANCED ELECTRICAL AND HYDRAULICS	
<input type="checkbox"/> <u>Or HEQT 2207 MACHINE SYSTEMS DIAGNOSIS &amp; TROUBLESHOOTING</u>	<u>4</u>
	<b>17</b>
<b>TOTAL HOURS</b>	<b>66</b>

**EXISTING:** HEAVY EQUIPMENT TECHNOLOGY

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/> CSCI 1102 INTRO TO COMPUTERS W/BUSINESS APPLICATIONS	3
or CSCI 1101 INTRO TO COMPUTERS	
<input type="checkbox"/> DIEL 1208 DIESEL ACCESSORIES	2
<input type="checkbox"/> HEQT 1201 HEAVY EQUIPMENT MAINTENANCE	4
<input type="checkbox"/> ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
	18
Second Semester	
<input type="checkbox"/> AGRI 1204 PHYSICS OF HYDRAULICS	4
<input type="checkbox"/> COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	3
<input type="checkbox"/> AGRI 1221 INTRO TO AG OCCUPATIONS	1
<input type="checkbox"/> DIEL 1205 HEAVY EQUIPMENT BRAKES	3
<input type="checkbox"/> HEQT 1208 FUNDAMENTALS OF MACHINE ELECTRONICS	3
<input type="checkbox"/> HEQT 1211 ENGINE FUEL SYSTEMS	<u>3</u>
	17
Third Semester	
<input type="checkbox"/> AGRI 1222 APPLIED MATHEMATICS	3
<input type="checkbox"/> AGRI 2201 TRANSMISSIONS AND POWER TRAINS	4
<input type="checkbox"/> HEQT 2205 UNDERCARRIAGE & FINAL DRIVES	3
<input type="checkbox"/> HEQT 2203 MACHINE SYSTEMS ELECTRONICS	3
<input type="checkbox"/> PSYC 2101 INTRODUCTION TO PSYCHOLOGY	<u>3</u>
	16
Fourth Semester	
<input type="checkbox"/> AGRI 2204 ADVANCED MAJOR OVERHAUL	5
<input type="checkbox"/> AGRI 1206 AG AIR CONDITIONING SYSTEMS	4
<input type="checkbox"/> DIEL 1206 ADVANCED DIESELS	2
<input type="checkbox"/> HEQT 1210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/> HEQT 2207 MACHINE SYSTEMS DIAGNOSIS & TROUBLESHOOTING	<u>4</u>
	19
<b>TOTAL HOURS</b>	<b>70</b>

**PROPOSED:** HEAVY EQUIPMENT TECHNOLOGY

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

First Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/> CSCI 1102 INTRO TO COMPUTERS W/BUSINESS APPLICATIONS	3
or CSCI 1101 INTRO TO COMPUTERS	
<input type="checkbox"/> DIEL 1208 DIESEL ACCESSORIES	2
<input type="checkbox"/> HEQT 1201 HEAVY EQUIPMENT MAINTENANCE	4
<input type="checkbox"/> ENGL 1101 RHETORIC AND COMPOSITION I	<u>3</u>
	18
Second Semester	
<input type="checkbox"/> AGRI 1204 PHYSICS OF HYDRAULICS	4
<input type="checkbox"/> COMM 1101 PRINCIPLES OF EFFECTIVE SPEAKING	3
<input type="checkbox"/> AGRI 1221 INTRO TO AG OCCUPATIONS	1
<input type="checkbox"/> DIEL 1205 HEAVY EQUIPMENT BRAKES	3
<input type="checkbox"/> HEQT 1208 FUNDAMENTALS OF MACHINE ELECTRONICS	3
or AGRI 1203 <u>IGNITIONS AND ELECTRICAL SYSTEMS</u>	
<input type="checkbox"/> HEQT 1211 ENGINE FUEL SYSTEMS	<u>3</u>
or DIEL 1201 <u>DIESEL FUEL SYSTEMS</u>	
	17
Third Semester	
<input type="checkbox"/> AGRI 1222 APPLIED MATHEMATICS	3
<input type="checkbox"/> AGRI 2201 TRANSMISSIONS AND POWER TRAINS	4
<input type="checkbox"/> HEQT 2205 UNDERCARRIAGE & FINAL DRIVES	3
<input type="checkbox"/> HEQT 2203 MACHINE SYSTEMS ELECTRONICS	3
<input type="checkbox"/> PSYC 2101 INTRODUCTION TO PSYCHOLOGY	<u>3</u>
	16
Fourth Semester	
<input type="checkbox"/> AGRI 2204 ADVANCED MAJOR OVERHAUL	5
<input type="checkbox"/> AGRI 1206 AG AIR CONDITIONING SYSTEMS	4
<input type="checkbox"/> DIEL 1206 ADVANCED DIESELS	2
<input type="checkbox"/> HEQT 1210 SUPERVISED OCCUPATIONAL EXPERIENCE	4
<input type="checkbox"/> HEQT 2207 MACHINE SYSTEMS DIAGNOSIS & TROUBLESHOOTING	<u>4</u>
or AGRI 2206 <u>ADVANCED ELECTRICAL &amp; HYDRAULICS</u>	
	19
<b>TOTAL HOURS</b>	<b>70</b>

**EXISTING:** HEAVY EQUIPMENT TECHNOLOGY CERTIFICATE

*Occupational certificate*

APPLIED SCIENCE & TECHNOLOGY DIVISION

**First Semester**

		Cr. Hrs.
<input type="checkbox"/>	AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/>	DIEL 1208 DIESEL ACCESSORIES	2
<input type="checkbox"/>	HEQT 1201 HEAVY EQUIPMENT MAINTENANCE	4
<input type="checkbox"/>	AGRI 2201 TRAINSMISSIONS AND POWER TRAINS	<u>4</u>
		16

**Second Semester**

<input type="checkbox"/>	AGRI 1204 PHYSICS OF HYDRAULICS	4
<input type="checkbox"/>	DIEL 1205 HEAVY EQUIPMENT BRAKES	3
<input type="checkbox"/>	HEQT 1208 FUNDAMENTALS OF MACHINE ELECTRONICS	3
<input type="checkbox"/>	HEQT 1211 ENGINE FUEL SYSTEMS	<u>3</u>
		13

Total Hours = 29

**PROPOSED:** HEAVY EQUIPMENT TECHNOLOGY CERTIFICATE

*Occupational certificate*

APPLIED SCIENCE & TECHNOLOGY DIVISION

**First Semester**

		Cr. Hrs.
<input type="checkbox"/>	AGRI 1208 DIESEL ENGINES	6
<input type="checkbox"/>	DIEL 1208 DIESEL ACCESSORIES	2
<input type="checkbox"/>	HEQT 1201 HEAVY EQUIPMENT MAINTENANCE	4
<input type="checkbox"/>	AGRI 2201 TRAINSMISSIONS AND POWER TRAINS	<u>4</u>
		16

**Second Semester**

<input type="checkbox"/>	AGRI 1204 PHYSICS OF HYDRAULICS	4
<input type="checkbox"/>	DIEL 1205 HEAVY EQUIPMENT BRAKES	3
<input type="checkbox"/>	HEQT 1208 FUNDAMENTALS OF MACHINE ELECTRONICS	3
	<u>or AGRI 1203 IGNITIONS AND ELECTRICAL SYSTEMS</u>	
<input type="checkbox"/>	HEQT 1211 ENGINE FUEL SYSTEMS	<u>3</u>
	<u>OR DIEL 1201 DIESEL FUEL SYSTEMS</u>	
		13

Total Hours = 29

## ASSOCIATE IN ARTS DEGREE

### RLC Graduation Requirements Worksheet

Students will not be denied admission because of deficiencies in high school work but must satisfy these deficiencies before graduation from Rend Lake College. **Meeting graduation requirements ultimately is the responsibility of the student. Students are encouraged to be familiar with the catalog and program requirements and to work with their academic advisors in selecting courses.**

The student's total program must contain a minimum of 64 semester hours of academic work with a grade-point average of not less than "C" (2.0). Candidates for this degree must complete an organized program of study which meets the following core requirements. No more than nine (9) credit hours of courses with a second digit of "2" may be used toward Rend Lake College graduation requirements. A maximum of eight (8) credit hours of one-credit hour PYED courses can be used toward graduation requirements.

**Illinois Articulation Initiative (IAI) General Education Core Courses (GECC) – [www.iTransfer.org](http://www.iTransfer.org) – are in bold. Only those courses which are designated as IAI GECC courses may be counted toward general education requirements. Always consult an academic advisor for assistance in selecting courses.**

#### I. SOCIAL and BEHAVIORAL SCIENCES – Required 3 courses (9 hrs.)

Choose two or more subject areas:

**IAI SOCIAL and BEHAVIORAL SCIENCES**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> ANTH 1101 - Cultural Anthropology (3)*     | <input type="checkbox"/> HIST 1102 - Western Civilization II (3)  | <input type="checkbox"/> PSYC 2101 - Intro to Psychology (3) |
| <input type="checkbox"/> ECON 1101 - Intro to Economics (3)         | <input type="checkbox"/> HIST 2101 - American History I (3)       | <input type="checkbox"/> PSYC 2102 - Child Psychology (3)    |
| <input type="checkbox"/> ECON 2101 - Principles of Economics I (3)  | <input type="checkbox"/> HIST 2102 - American History II (3)      | <input type="checkbox"/> PSYC 2105 - Social Psychology (3)   |
| <input type="checkbox"/> ECON 2102 - Principles of Economics II (3) | <input type="checkbox"/> HIST 2107 - Latin American History (3)*  | <input type="checkbox"/> SOCI 1101 - Intro to Sociology (3)  |
| <input type="checkbox"/> GEOG 1101 - Introduction to Geography (3)* | <input type="checkbox"/> POLI 1101 - State / Local Government (3) | <input type="checkbox"/> SOCI 2101 - Social Problems (3)     |
| <input type="checkbox"/> HIST 1101 - Western Civilization I (3)     | <input type="checkbox"/> POLI 2101 - American Government (3)      | <input type="checkbox"/> SOCI 2102 - Marriage and Family (3) |

\*This course meets the requirement for this section and Section VI/Multiculturalism.

#### II. MATHEMATICS – Required 1 course (3 hrs.)

**IAI MATHEMATICS**

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> MATH 1107 - Contemp. College Math (3)   | <input type="checkbox"/> MATH 2106 - Finite Mathematics (3)     | <input type="checkbox"/> MATH 2122 - Calculus/An. Geometry II (5)  |
| <input type="checkbox"/> MATH 1111 - Statistics (4)              | <input type="checkbox"/> MATH 2110 - Math/Elem. Teachers II (3) | <input type="checkbox"/> MATH 2123 - Calculus/An. Geometry III (4) |
| <input type="checkbox"/> MATH 1121 - Calculus/An. Geometry I (5) | <input type="checkbox"/> MATH 2115 - Business Calculus (4)      |  |

#### III. SCIENCE – Required 2 courses (7 to 8 hrs.)

Required: One Life Science course and one Physical Science course (at least one laboratory course)

**IAI LIFE SCIENCES**

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> BIO 1100 - Biology for Non-Majors (4) | <input type="checkbox"/> BIO 1102 - Environmental Ecology (4) | <input type="checkbox"/> MICR 1111 - Microbiology (4)   |
| <input type="checkbox"/> BIO 1101 - College Biology (5)        | <input type="checkbox"/> BOT 1101 - Plants & Society (4)      | <input type="checkbox"/> ZOO 1101 - General Zoology (4) |

**IAI PHYSICAL SCIENCES**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> AST 1101 - Intro to Astronomy (4) * | <input type="checkbox"/> GEOL 1101 - Physical Geology (3)          | <input type="checkbox"/> PHY 1101 - College Physics I (5)    |
| <input type="checkbox"/> CHE 1101 - General Chemistry I (5)  | <input type="checkbox"/> PHSC 1101 - Physical Science (5)          | <input type="checkbox"/> PHY 1103 - University Physics I (5) |
| <input type="checkbox"/> CHE 1103 - Inorganic Chemistry (5)  | <input type="checkbox"/> PHSC 1102 - Princ. of Earth Science (3) * | * Not a laboratory course                                    |

#### IV. HUMANITIES AND FINE ARTS – Required 3 courses (9 hrs.)

Required: One course selected from Humanities, one from Fine Arts and one from either Humanities or Fine Arts

\* All languages require one full-year sequence for transfer credit

**IAI HUMANITIES (Required one or two courses)**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> ENGL 2101 - Classical Literature (3)   | <input type="checkbox"/> ENGL 2111 - American Lit to 1865 (3)      | <input type="checkbox"/> PHIL 2103 - World Religion (3)*         |
| <input type="checkbox"/> ENGL 2102 - Intro to Literature (3)    | <input type="checkbox"/> ENGL 2112 - American Lit 1865-Present (3) | <input type="checkbox"/> PHIL 2104 - Ethics (3)                  |
| <input type="checkbox"/> ENGL 2104 - The Short Story (3)        | <input type="checkbox"/> ENGL 2113 - Introduction to Drama (3)     | <input type="checkbox"/> PHIL 2105 - Non-Western Philosophy (3)* |
| <input type="checkbox"/> ENGL 2105 - Introduction to Poetry (3) | <input type="checkbox"/> ENGL 2114 - The Novel (3)                 | <input type="checkbox"/> PHIL 2106 - Philosophy of Religion (3)  |
| <input type="checkbox"/> ENGL 2107 - Mythology (3)              | <input type="checkbox"/> HUMT 1105 - Humanities thru Arts (3)      |  |
| <input type="checkbox"/> ENGL 2109 - British Literature I (3)   | <input type="checkbox"/> PHIL 1101 - Intro to Philosophy (3)       |  |
| <input type="checkbox"/> ENGL 2110 - British Literature II (3)  | <input type="checkbox"/> PHIL 2101 - Logic (3)                     |  |

**IAI FINE ARTS (Required one or two courses)**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> ART 1101 - Art Appreciation (3)      | <input type="checkbox"/> MUSI 1100 - Music Appreciation (3)      | <input type="checkbox"/> THEA 1106 - Theatre Appreciation (3) |
| <input type="checkbox"/> HUMT 1104 - Introduction to Film (3) | <input type="checkbox"/> MUSI 1110 - Intro to American Music (3) |   |

\*This course meets the requirement for this section and Section VI/Multiculturalism.

Hours I \_\_\_\_\_ Hours II \_\_\_\_\_ Hours III \_\_\_\_\_ Hours IV \_\_\_\_\_ TOTAL Pg. 1 \_\_\_\_\_



## ASSOCIATE IN ARTS DEGREE (cont.)

### V. COMMUNICATIONS – Required 3 courses (9 hrs.)

*Required: Two-course sequence in writing (with grade of "C" or better) (6 hrs.); one course in oral communications*

#### IAI COMMUNICATIONS

\_\_\_ COMM 1101 - Principles of Eff. Speaking (3)    \_\_\_ ENGL 1101 - Rhetoric and Comp. I (3)    \_\_\_ ENGL 1102 - Rhetoric and Comp. II (3)

### VI. REND LAKE COLLEGE REQUIREMENTS

#### FIRST-YEAR EXPERIENCE

\_\_\_ ORIE 1101 - Orientation (1.5) - Required during first semester for degree-seeking students

#### MULTICULTURALISM (Choose 1 Course)

\_\_\_ ANTH 1101 – Cultural Anthropology (3)\*    \_\_\_ GEOG 1101 – Introduction to Geography (3)\*    \_\_\_ PHIL 2103 – World Religion (3)\*\*  
 \_\_\_ COMM 1106 – Intercultural Communication (3)    \_\_\_ HIST 2106 – Black American History (3)\*\*\*    \_\_\_ PHIL 2105 – Non-Western Philosophy (3)\*\*  
 \_\_\_ EDUC 1107 – Diversity in Education (3)\*\*\*    \_\_\_ HIST 2107 – Latin American History (3)\*

\* Also meets requirement for Section I/Social and Behavioral Sciences

\*\* Also meets requirement for Section IV/Humanities and Fine Arts

\*\*\* Also meets requirement for Section VII/Electives

### VII. ELECTIVES    **May be used to fulfill elective requirements for graduation and for major transfer to senior institutions. IAI Articulated Majors Courses are in italics.**

#### SOCIAL / BEHAVIORAL SCIENCE ELECTIVES \*\*

\_\_\_ HIST 2106 - Black American History (3)    \_\_\_ PSYC 2107 - Forensic Psychology (3)    \_\_\_ SOSOC 2102 - Inside-Out Prison Exchange (3)  
 \_\_\_ PSYC 2104 - Personality Dynamics (3)    \_\_\_ *PSYC 2108 - Abnormal Psychology (3)*    \_\_\_ SOSOC 2103 - Intro to Social Work (3)  
 \_\_\_ PSYC 2106 - Human Relations (3)    \_\_\_ SOSOC 2101 - Topics in Social Science (3)

#### MATH ELECTIVES \*\*

\_\_\_ MATH 1108 - College Algebra (3)    \_\_\_ MATH 1130 - Math/Elem. Teachers I (4)    \_\_\_ *MATH 2130 - Differential Equations (3)*  
 \_\_\_ MATH 1109 - Plane Trigonometry (3)    \_\_\_ *MATH 2103 - Business Statistics (3)*  
 \_\_\_ MATH 1110 - College Algebra / Trig (5)    \_\_\_ *MATH 2108 - Linear Algebra (3)*

#### SCIENCE ELECTIVES \*\*

\_\_\_ *BIO 1104 - College Biology II (5)*    \_\_\_ *CSCI 1104 - Intro to Programming (4) \**    \_\_\_ *PHY 2102 - Dynamics (3)*  
 \_\_\_ CHE 1102 - General Chemistry II (5)    \_\_\_ *CSCI 2104 - Advanced Programming (4) \**    \_\_\_ *PHY 2121 - Electrical Engineer. Circuits (4)*  
 \_\_\_ *CHE 1104 - Q.A. / Inorganic Chemistry (5)*    \_\_\_ *ENGG 1101 - Engineering Graphics (4)*    \_\_\_ *ZOO 1105 - Anatomy / Physiology I (4)*  
 \_\_\_ *CHE 2120 - Organic Chemistry I (5)*    \_\_\_ *MICR 1101 - Basic Microbiology (4)*    \_\_\_ *ZOO 1106 - Anatomy / Physiology II (4)*  
 \_\_\_ *CHE 2121 - Organic Chemistry II (5)*    \_\_\_ *PHY 1102 - College Physics II (5)*    \* Not a laboratory course  
 \_\_\_ CSCI 1101 - Introduction to Computers (3) \*    \_\_\_ *PHY 1104 - University Physics II (5)*  
 \_\_\_ CSCI 1102 - Comp. / Bus. Applications (3) \*    \_\_\_ *PHY 2101 - Statics (3)*

#### COMMUNICATIONS / HUMANITIES / FINE ARTS ELECTIVES \*\*

___ ART 1103 - Design I (3)	___ ART 2201 - Illustration I (3)	___ MUSI 1161/2161 - Concert Band (1)
___ ART 1104 - Design II (3)	___ ART 2202 - Illustration II (3)	___ MUSI 2101 - Music Theory III (3)
___ ART 1105 - Drawing I (3)	___ <i>COMM 1103 - Small Group Communication (3)</i>	___ MUSI 2102 - Music Theory IV (3)
___ ART 1106 - Drawing II (3)	___ <i>COMM 1104 - Interpersonal Communication (3)</i>	___ MUSI 2103 - Aural Skills III (1)
___ ART 1107 - Painting I (3)	___ <i>COMM 1106 - Intercultural Communication (3)</i>	___ MUSI 2104 - Aural Skills IV (1)
___ ART 1108 - Painting II (3)	___ ENGL 1103 - Creative Writing (3)	___ MUSI XXXX - Applied Lessons (1-2)
___ ART 2105 - Sculpture I (3)	___ ENGL 2103 - Special Topics in Literature (3)	___ SPAN 1101 - Elementary Spanish I (4) *
___ ART 2106 - Sculpture II (3)	___ ENGL 2106 - Intermediate Composition (3)	___ SPAN 1102 - Elementary Spanish II (4) *
___ ART 2108 - Metalsmithing I (3)	___ LEAD 1101 - Leadership Develop. Studies (3)	___ SPAN 2101 - Modern Spanish I (4) *
___ ART 2109 - Metalsmithing II (3)	___ LEAD 1102 - Furthering Leadership Poten. (3)	___ SPAN 2102 - Modern Spanish II (4) *
___ ART 2111 - Art History I (3)	___ MUSI 1101 - Music Theory I (3)	___ <i>THEA 1101 - Acting (3)</i>
___ ART 2112 - Art History II (3)	___ MUSI 1102 - Music Theory II (3)	___ THEA 1102 - Practicum in Theatre (3)
___ ART 2113 - Introduction to Ceramics (3)	___ MUSI 1105 - Practicum in Music Theater (3)	___ THEA 1103 - Acting II (3)
___ ART 2114 - Advanced Ceramics (3)	___ MUSI 1109 - Music Fundamentals (3)	___ THEA 1105 - Stage Makeup (3)
___ ART 2115 - Printmaking I (3)	___ MUSI 1111 - Music Literature (3)	___ THEA 1107 - Intro to Technical Theater (3)
___ ART 2116 - Printmaking II (3)	___ MUSI 1145 - Piano Class I (1)	* All languages require one full-year sequence for transfer credit
___ ART 2120 - Life Drawing (3)	___ MUSI 1146 - Piano Class II (1)	
___ ART 2121 - Intro to Stained Glass (3)	___ MUSI 1159/2159 - Concert Choir (1)	

#### OTHER ELECTIVES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*\* It is the student's responsibility to know and observe the requirements for his/her specific curriculum major. Students should seek the assistance of an advisor.

### VIII. DEFICIENCIES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

No single course can be used to fulfill more than one requirement, with the exception of Multiculturalism (Section VI).

**Total Hours Page 2** \_\_\_\_\_

**Total Hours Page 1** \_\_\_\_\_

**Total Hours 1 & 2** \_\_\_\_\_

**55 Hrs. 2nd Digit "1"** \_\_\_\_\_

**OK Graduation?** Yes  No

## ASSOCIATE IN SCIENCE DEGREE

### RLC Graduation Requirements Worksheet

Students will not be denied admission because of deficiencies in high school work but must satisfy these deficiencies before graduation from Rend Lake College. **Meeting graduation requirements ultimately is the responsibility of the student. Students are encouraged to be familiar with the catalog and program requirements and to work with their academic advisors in selecting courses.**

The student's total program must contain a minimum of 64 semester hours of academic work with a grade-point average of not less than "C" (2.0). Candidates for this degree must complete an organized program of study which meets the following core requirements. ~~No more than nine (9) credit hours of courses with a second digit of "2" may be used toward Rend Lake College graduation requirements.~~ A maximum of eight (8) credit hours of one-credit hour PYED courses can be used toward graduation requirements. The Associate in Science Degree does not meet General Education Core Course (GECC) requirements. Students must complete an additional Social and Behavioral Sciences course and Humanities and Fine Arts course to meet GECC requirements.

**Illinois Articulation Initiative (IAI) General Education Core Courses (GECC) – [www.iTransfer.org](http://www.iTransfer.org) – are in bold. Only those courses which are designated as IAI GECC courses may be counted toward general education requirements. Always consult an academic advisor for assistance in selecting courses.**

#### I. SOCIAL and BEHAVIORAL SCIENCES – Required 2 courses (6 hrs.)

Choose two subject areas:

**IAI SOCIAL and BEHAVIORAL SCIENCES**

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> ANTH 1101 - Cultural Anthropology (3)*     | <input type="checkbox"/> HIST 1102 - Western Civilization II (3)  | <input type="checkbox"/> PSYC 2101 - Intro to Psychology (3) |
| <input type="checkbox"/> ECON 1101 - Intro to Economics (3)         | <input type="checkbox"/> HIST 2101 - American History I (3)       | <input type="checkbox"/> PSYC 2102 - Child Psychology (3)    |
| <input type="checkbox"/> ECON 2101 - Principles of Economics I (3)  | <input type="checkbox"/> HIST 2102 - American History II (3)      | <input type="checkbox"/> PSYC 2105 - Social Psychology (3)   |
| <input type="checkbox"/> ECON 2102 - Principles of Economics II (3) | <input type="checkbox"/> HIST 2107 - Latin American History (3)*  | <input type="checkbox"/> SOCI 1101 - Intro to Sociology (3)  |
| <input type="checkbox"/> GEOG 1101 - Introduction to Geography (3)* | <input type="checkbox"/> POLI 1101 - State / Local Government (3) | <input type="checkbox"/> SOCI 2101 - Social Problems (3)     |
| <input type="checkbox"/> HIST 1101 - Western Civilization I (3)     | <input type="checkbox"/> POLI 2101 - American Government (3)      | <input type="checkbox"/> SOCI 2102 - Marriage and Family (3) |

\*This course meets the requirement for this section and Section VI/Multiculturalism.

#### II. MATHEMATICS – Required 2 or 3 courses (6-14 hrs.)

Required: One course minimum from the following list. Remaining course(s) from the following list or Math Electives.

**IAI MATHEMATICS**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> MATH 1107 - Contemp. College Math (3)        | <input type="checkbox"/> MATH 2106 - Finite Mathematics (3)          | <input type="checkbox"/> MATH 2122 - Calculus/An. Geometry II (5)  |
| <input type="checkbox"/> MATH 1111 - Statistics (4)                   | <input type="checkbox"/> MATH 2110 - Math/Elementary Teachers II (3) | <input type="checkbox"/> MATH 2123 - Calculus/An. Geometry III (4) |
| <input type="checkbox"/> MATH 1121 - Calculus/Analytic Geometry I (5) | <input type="checkbox"/> MATH 2115 - Business Calculus (4)           |  |

#### III. SCIENCE – Required 3 courses (10 to 15 hrs.)

Required: One Life Science course and one Physical Science course (at least one laboratory course). Remaining course can be from the list below, or from the Science Elective list.

**IAI LIFE SCIENCES**

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> BIO 1100 - Biology for Non-Majors (4) | <input type="checkbox"/> BIO 1102 - Environmental Ecology (4) | <input type="checkbox"/> MICR 1111 - Microbiology (4)   |
| <input type="checkbox"/> BIO 1101 - College Biology (5)        | <input type="checkbox"/> BOT 1101 - Plants & Society (4)      | <input type="checkbox"/> ZOO 1101 - General Zoology (4) |

**IAI PHYSICAL SCIENCES**

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> AST 1101 - Intro to Astronomy (4) * | <input type="checkbox"/> GEOL 1101 - Physical Geology (3)          | <input type="checkbox"/> PHY 1101 - College Physics I (5)    |
| <input type="checkbox"/> CHE 1101 - General Chemistry I (5)  | <input type="checkbox"/> PHSC 1101 - Physical Science (5)          | <input type="checkbox"/> PHY 1103 - University Physics I (5) |
| <input type="checkbox"/> CHE 1103 - Inorganic Chemistry (5)  | <input type="checkbox"/> PHSC 1102 - Princ. of Earth Science (3) * | * Not a laboratory course                                    |

#### IV. HUMANITIES AND FINE ARTS – Required 2 courses (6 hrs.)

Required: One course selected from Humanities and one from Fine Arts  
All languages require one full-year sequence for transfer credit

**IAI HUMANITIES (Required one or two courses)**

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> ENGL 2101 - Classical Literature (3)   | <input type="checkbox"/> ENGL 2111 - American Lit to 1865 (3)      | <input type="checkbox"/> PHIL 2103 - World Religion (3)*         |
| <input type="checkbox"/> ENGL 2102 - Intro to Literature (3)    | <input type="checkbox"/> ENGL 2112 - American Lit 1865-Present (3) | <input type="checkbox"/> PHIL 2104 - Ethics (3)                  |
| <input type="checkbox"/> ENGL 2104 - The Short Story (3)        | <input type="checkbox"/> ENGL 2113 - Introduction to Drama (3)     | <input type="checkbox"/> PHIL 2105 - Non-Western Philosophy (3)* |
| <input type="checkbox"/> ENGL 2105 - Introduction to Poetry (3) | <input type="checkbox"/> ENGL 2114 - The Novel (3)                 | <input type="checkbox"/> PHIL 2106 - Philosophy of Religion (3)  |
| <input type="checkbox"/> ENGL 2107 - Mythology (3)              | <input type="checkbox"/> HUMT 1105 - Humanities thru Arts (3)      |  |
| <input type="checkbox"/> ENGL 2109 - British Literature I (3)   | <input type="checkbox"/> PHIL 1101 - Intro to Philosophy (3)       |  |
| <input type="checkbox"/> ENGL 2110 - British Literature II (3)  | <input type="checkbox"/> PHIL 2101 - Logic (3)                     |  |

**IAI FINE ARTS (Required one or two courses)**

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> ART 1101 - Art Appreciation (3)      | <input type="checkbox"/> MUSI 1100 - Music Appreciation (3)      | <input type="checkbox"/> THEA 1106 - Theatre Appreciation (3) |
| <input type="checkbox"/> HUMT 1104 - Introduction to Film (3) | <input type="checkbox"/> MUSI 1110 - Intro to American Music (3) |   |

\*This course meets the requirement for this section and Section VI/Multiculturalism.

Hours I \_\_\_\_\_ Hours II \_\_\_\_\_ Hours III \_\_\_\_\_ Hours IV \_\_\_\_\_ TOTAL Pg. 1 \_\_\_\_\_

## ASSOCIATE IN SCIENCE DEGREE (cont.)

### V. COMMUNICATIONS – Required 3 courses (9 hrs.)

*Required: Two-course sequence in writing (with grade of "C" or better) (6 hrs.); one course in oral communications*

#### IAI COMMUNICATIONS

\_\_\_ COMM 1101 - Principles of Eff. Speaking (3)    \_\_\_ ENGL 1101 - Rhetoric and Comp. I (3)    \_\_\_ ENGL 1102 - Rhetoric and Comp. II (3)

### VI. REND LAKE COLLEGE REQUIREMENTS

#### FIRST-YEAR EXPERIENCE

\_\_\_ ORIE 1101 - Orientation (1.5) - Required during first semester for degree-seeking students

#### MULTICULTURALISM (Choose 1 Course)

\_\_\_ ANTH 1101 – Cultural Anthropology (3)\*    \_\_\_ GEOG 1101 – Introduction to Geography (3)\*    \_\_\_ PHIL 2103 – World Religion (3)\*\*  
 \_\_\_ COMM 1106 – Intercultural Communication (3)    \_\_\_ HIST 2106 – Black American History (3)\*\*\*    \_\_\_ PHIL 2105 – Non-Western Philosophy (3)\*\*  
 \_\_\_ EDUC 1107 – Diversity in Education (3)\*\*\*    \_\_\_ HIST 2107 – Latin American History (3)\*

\* Also meets requirement for Section I/Social and Behavioral Sciences

\*\* Also meets requirement for Section IV/Humanities and Fine Arts

\*\*\* Also meets requirement for Section VII/Electives

### VII. ELECTIVES May be used to fulfill elective requirements for graduation and for major transfer to senior institutions. IAI Articulated Majors Courses are in italics.

#### SOCIAL / BEHAVIORAL SCIENCE ELECTIVES \*\*

\_\_\_ HIST 2106 - Black American History (3)    \_\_\_ PSYC 2107 - Forensic Psychology (3)    \_\_\_ SOSOC 2102 - Inside-Out Prison Exchange (3)  
 \_\_\_ PSYC 2104 - Personality Dynamics (3)    \_\_\_ PSYC 2108 - Abnormal Psychology (3)    \_\_\_ SOSOC 2103 - Intro to Social Work (3)  
 \_\_\_ PSYC 2106 - Human Relations (3)    \_\_\_ SOSOC 2101 - Topics in Social Science (3)

#### MATH ELECTIVES \*\*

\_\_\_ MATH 1108 - College Algebra (3)    \_\_\_ MATH 1130 - Math/Elem. Teachers I (4)    \_\_\_ MATH 2130 - Differential Equations (3)  
 \_\_\_ MATH 1109 - Plane Trigonometry (3)    \_\_\_ MATH 2103 - Business Statistics (3)  
 \_\_\_ MATH 1110 - College Algebra / Trig (5)    \_\_\_ MATH 2108 - Linear Algebra (3)

#### SCIENCE ELECTIVES \*\*

\_\_\_ BIO 1104 - College Biology II (5)    \_\_\_ CSCI 1104 - Intro to Programming (4) \*    \_\_\_ PHY 2102 - Dynamics (3)  
 \_\_\_ CHE 1102 - General Chemistry II (5)    \_\_\_ CSCI 2104 - Advanced Programming (4) \*    \_\_\_ PHY 2121 - Electrical Engineer, Circuits (4)  
 \_\_\_ CHE 1104 - Q.A. / Inorganic Chemistry (5)    \_\_\_ ENGG 1101 - Engineering Graphics (4)    \_\_\_ ZOO 1105 - Anatomy / Physiology I (4)  
 \_\_\_ CHE 2120 - Organic Chemistry I (5)    \_\_\_ MICR 1101 - Basic Microbiology (4)    \_\_\_ ZOO 1106 - Anatomy / Physiology II (4)  
 \_\_\_ CHE 2121 - Organic Chemistry II (5)    \_\_\_ PHY 1102 - College Physics II (5)    \* Not a laboratory course  
 \_\_\_ CSCI 1101 - Introduction to Computers (3) \*    \_\_\_ PHY 1104 - University Physics II (5)  
 \_\_\_ CSCI 1102 - Comp. / Bus. Applications (3) \*    \_\_\_ PHY 2101 - Statics (3)

#### COMMUNICATIONS / HUMANITIES / FINE ARTS ELECTIVES \*\*

\_\_\_ ART 1103 - Design I (3)    \_\_\_ ART 2201 - Illustration I (3)    \_\_\_ MUSI 1161/2161 - Concert Band (1)  
 \_\_\_ ART 1104 - Design II (3)    \_\_\_ ART 2202 - Illustration II (3)    \_\_\_ MUSI 2101 - Music Theory III (3)  
 \_\_\_ ART 1105 - Drawing I (3)    \_\_\_ COMM 1103 - Small Group Communication (3)    \_\_\_ MUSI 2102 - Music Theory IV (3)  
 \_\_\_ ART 1106 - Drawing II (3)    \_\_\_ COMM 1104 - Interpersonal Communication (3)    \_\_\_ MUSI 2103 - Aural Skills III (1)  
 \_\_\_ ART 1107 - Painting I (3)    \_\_\_ COMM 1106 - Intercultural Communication (3)    \_\_\_ MUSI 2104 - Aural Skills IV (1)  
 \_\_\_ ART 1108 - Painting II (3)    \_\_\_ ENGL 1103 - Creative Writing (3)    \_\_\_ MUSI XXXX - Applied Lessons (1-2)  
 \_\_\_ ART 2105 - Sculpture I (3)    \_\_\_ ENGL 2103 - Special Topics in Literature (3)    \_\_\_ SPAN 1101 - Elementary Spanish I (4) \*  
 \_\_\_ ART 2106 - Sculpture II (3)    \_\_\_ ENGL 2106 - Intermediate Composition (3)    \_\_\_ SPAN 1102 - Elementary Spanish II (4) \*  
 \_\_\_ ART 2108 - Metalsmithing I (3)    \_\_\_ LEAD 1101 - Leadership Develop. Studies (3)    \_\_\_ SPAN 2101 - Modern Spanish I (4) \*  
 \_\_\_ ART 2109 - Metalsmithing II (3)    \_\_\_ LEAD 1102 - Furthering Leadership Poten. (3)    \_\_\_ SPAN 2102 - Modern Spanish II (4) \*  
 \_\_\_ ART 2111 - Art History I (3)    \_\_\_ MUSI 1101 - Music Theory I (3)    \_\_\_ THEA 1101 - Acting (3)  
 \_\_\_ ART 2112 - Art History II (3)    \_\_\_ MUSI 1102 - Music Theory II (3)    \_\_\_ THEA 1102 - Practicum in Theatre (3)  
 \_\_\_ ART 2113 - Introduction to Ceramics (3)    \_\_\_ MUSI 1105 - Practicum in Music Theater (3)    \_\_\_ THEA 1103 - Acting II (3)  
 \_\_\_ ART 2114 - Advanced Ceramics (3)    \_\_\_ MUSI 1109 - Music Fundamentals (3)    \_\_\_ THEA 1105 - Stage Makeup (3)  
 \_\_\_ ART 2115 - Printmaking I (3)    \_\_\_ MUSI 1111 - Music Literature (3)    \_\_\_ THEA 1107 - Intro to Technical Theater (3)  
 \_\_\_ ART 2116 - Printmaking II (3)    \_\_\_ MUSI 1145 - Piano Class I (1)    \* All languages require one full-year sequence  
 \_\_\_ ART 2120 - Life Drawing (3)    \_\_\_ MUSI 1146 - Piano Class II (1)    for transfer credit  
 \_\_\_ ART 2121 - Intro to Stained Glass (3)    \_\_\_ MUSI 1159/2159 - Concert Choir (1)

#### OTHER ELECTIVES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

\*\* It is the student's responsibility to know and observe the requirements for his/her specific curriculum major. Students should seek the assistance of an advisor.

### VIII. DEFICIENCIES

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

No single course can be used to fulfill more than one requirement, with the exception of Multiculturalism (Section VI).

**Total Hours Page 2** \_\_\_\_\_

**Total Hours Page 1** \_\_\_\_\_

**Total Hours 1 & 2** \_\_\_\_\_

**55 Hrs. 2nd Digit "1"** \_\_\_\_\_

**OK Graduation?** Yes  No

## ASSOCIATE IN FINE ARTS DEGREE (ART)

### RLC Graduation Requirements Worksheet

Students will not be denied admission because of deficiencies in high school work but must satisfy these deficiencies before graduation from Rend Lake College. **Meeting graduation requirements ultimately is the responsibility of the student. Students are encouraged to be familiar with the catalog and program requirements and to work with their academic advisors in selecting courses.**

**IMPORTANT NOTE: Completion of the AFA curriculum does not fulfill the requirements of the Illinois General Education Core Curriculum. Therefore, students will need to fulfill the general education requirements of the institution to which they transfer. Consult with your advisor for more information.**

The student's total program must contain a minimum of 64 semester hours of academic work with a grade-point average of not less than "C" (2.0). Candidates for this degree must complete an organized program of study which meets the following core requirements. No more than nine (9) credit hours of courses with a second digit of "2" may be used toward Rend Lake College graduation requirements. A maximum of eight (8) credit hours of one-credit hour PYED courses can be used toward graduation requirements.

#### I. SOCIAL and BEHAVIORAL SCIENCES – Required 2 courses (6 hrs.) [Art Education Requires 9 Hours]

Choose two or more subject areas:

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> ANTH 1101 - Cultural Anthropology (3)*     | <input type="checkbox"/> HIST 1102 - Western Civilization II (3)  | <input type="checkbox"/> PSYC 2101 - Intro to Psychology (3) |
| <input type="checkbox"/> ECON 1101 - Intro to Economics (3)         | <input type="checkbox"/> HIST 2101 - American History I (3)       | <input type="checkbox"/> PSYC 2102 - Child Psychology (3)    |
| <input type="checkbox"/> ECON 2101 - Principles of Economics I (3)  | <input type="checkbox"/> HIST 2102 - American History II (3)      | <input type="checkbox"/> PSYC 2105 - Social Psychology (3)   |
| <input type="checkbox"/> ECON 2102 - Principles of Economics II (3) | <input type="checkbox"/> HIST 2107 - Latin American History (3)*  | <input type="checkbox"/> SOCI 1101 - Intro to Sociology (3)  |
| <input type="checkbox"/> GEOG 1101 - Introduction to Geography (3)* | <input type="checkbox"/> POLI 1101 - State / Local Government (3) | <input type="checkbox"/> SOCI 2101 - Social Problems (3)     |
| <input type="checkbox"/> HIST 1101 - Western Civilization I (3)     | <input type="checkbox"/> POLI 2101 - American Government (3)      | <input type="checkbox"/> SOCI 2102 - Marriage and Family (3) |

\*This course meets the requirement for this section and Section VIII/Multiculturalism.

#### II. MATHEMATICS – Required 1 course (3 hrs.)

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> MATH 1107 - Contemporary College Math (3) | <input type="checkbox"/> MATH 2106 - Finite Mathematics (3)     | <input type="checkbox"/> MATH 2122 - Calculus/An. Geometry II (5)  |
| <input type="checkbox"/> MATH 1111 - Statistics (4)                | <input type="checkbox"/> MATH 2110 - Math/Elem. Teachers II (3) | <input type="checkbox"/> MATH 2123 - Calculus/An. Geometry III (4) |
| <input type="checkbox"/> MATH 1121 - Calculus/An. Geometry I (5)   | <input type="checkbox"/> MATH 2115 - Business Calculus (4)      |  |

#### III. SCIENCE – Required 2 courses (7 hrs.)

Required: One Life Science course and one Physical Science course (at least one laboratory course)

##### LIFE SCIENCES

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> BIO 1100 - Biology for Non-Majors (4) | <input type="checkbox"/> BIO 1102 - Environmental Ecology (4) | <input type="checkbox"/> MICR 1111 - Microbiology (4)   |
| <input type="checkbox"/> BIO 1101 - College Biology (5)        | <input type="checkbox"/> BOT 1101 - General Botany (5)        | <input type="checkbox"/> ZOO 1101 - General Zoology (4) |

##### PHYSICAL SCIENCES

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> AST 1101 - Intro to Astronomy (4)* | <input type="checkbox"/> GEOL 1101 - Physical Geology (3)         | <input type="checkbox"/> PHY 1101 - College Physics I (5)    |
| <input type="checkbox"/> CHE 1101 - General Chemistry I (5) | <input type="checkbox"/> PHSC 1101 - Physical Science (5)         | <input type="checkbox"/> PHY 1103 - University Physics I (5) |
| <input type="checkbox"/> CHE 1103 - Inorganic Chemistry (5) | <input type="checkbox"/> PHSC 1102 - Princ. of Earth Science (3)* | * Not a laboratory course                                    |

#### IV. HUMANITIES – Required 2 courses (6 hrs.) [Art Education Requires 9 Hours]

All languages require one full-year sequence for transfer credit

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> ENGL 2101 - Classical Literature (3)   | <input type="checkbox"/> ENGL 2112 - American Lit 1865-Present (3) | <input type="checkbox"/> PHIL 2101 - Logic (3)                   |
| <input type="checkbox"/> ENGL 2102 - Intro to Literature (3)    | <input type="checkbox"/> ENGL 2113 - Introduction to Drama (3)     | <input type="checkbox"/> PHIL 2103 - World Religion (3)*         |
| <input type="checkbox"/> ENGL 2104 - The Short Story (3)        | <input type="checkbox"/> ENGL 2114 - The Novel (3)                 | <input type="checkbox"/> PHIL 2104 - Ethics (3)                  |
| <input type="checkbox"/> ENGL 2105 - Introduction to Poetry (3) | <input type="checkbox"/> HUMT 1104 - Introduction to Film (3)      | <input type="checkbox"/> PHIL 2105 - Non-Western Philosophy (3)* |
| <input type="checkbox"/> ENGL 2107 - Mythology (3)              | <input type="checkbox"/> HUMT 1105 - Humanities thru Arts (3)      | <input type="checkbox"/> PHIL 2106 - Philosophy of Religion (3)  |
| <input type="checkbox"/> ENGL 2109 - British Literature I (3)   | <input type="checkbox"/> MUSI 1100 - Music Appreciation (3)        | <input type="checkbox"/> THEA 1106 - Theatre Appreciation (3)    |
| <input type="checkbox"/> ENGL 2110 - British Literature II (3)  | <input type="checkbox"/> MUSI 1110 - Intro to American Music (3)   |  |
| <input type="checkbox"/> ENGL 2111 - American Lit to 1865 (3)   | <input type="checkbox"/> PHIL 1101 - Intro to Philosophy (3)       |  |

\*This course meets the requirement for this section and Section VIII/Multiculturalism.

Hours I \_\_\_\_\_ Hours II \_\_\_\_\_ Hours III \_\_\_\_\_ Hours IV \_\_\_\_\_ TOTAL Pg. 1 \_\_\_\_\_

## ASSOCIATE IN FINE ARTS DEGREE (ART) *(cont.)*

### V. COMMUNICATIONS – Required 3 courses (9 hrs.)

*Required: Two-course sequence in writing (with grade of "C" or better) (6 hrs.); one course in oral communications*

- COMM 1101 - Principles of Eff. Speaking (3)     
  ENGL 1101 - Rhetoric and Comp. I (3)     
  ENGL 1102 - Rhetoric and Comp. II (3)

### VI. ART REQUIREMENTS – Required 6 courses (18 hrs.)

- ART 1103 - Design I (3)                     
  ART 1105 - Drawing I (3)                     
  ART 2111 - Art History I (3)  
 ART 1104 - Design II (3)                     
  ART 1106 - Drawing II (3)                     
  ART 2112 - Art History II (3)

### VII. ART ELECTIVES (9 hrs.)

- ART 1107 - Painting I (3)                     
  ART 2109 - Metalsmithing II (3)                     
  ART 2116 - Printmaking II (3)  
 ART 1108 - Painting II (3)                     
  ART 2121 - Intro to Stained Glass (3)                     
  ART 2120 - Life Drawing (3)  
 ART 2105 - Sculpture I (3)                     
  ART 2113 - Introduction to Ceramics (3)                     
  ART 2201 - Illustration I (3)  
 ART 2106 - Sculpture II (3)                     
  ART 2114 - Ceramics II (3)                     
  ART 2202 - Illustration II (3)  
 ART 2108 - Metalsmithing I (3)                     
  ART 2115 - Printmaking I (3)                     
  GRD 1201 - Intro to Graphic Design (3)

### VIII. REND LAKE COLLEGE REQUIREMENTS

#### FIRST-YEAR EXPERIENCE

- ORIE 1101 - Orientation (1.5) - Required during first semester for degree-seeking students

#### MULTICULTURALISM *(Choose 1 Course)*

- ANTH 1101 – Cultural Anthropology (3)\*     
  GEOG 1101 – Introduction to Geography (3)\*     
  PHIL 2103 – World Religion (3)\*\*  
 COMM 1106 – Intercultural Communication (3)     
  HIST 2106 – Black American History (3)\*\*\*     
  PHIL 2105 – Non-Western Philosophy (3)\*\*  
 EDUC 1107 – Diversity in Education (3)\*\*\*     
  HIST 2107 – Latin American History (3)\*

*\* Also meets requirement for Section I/Social and Behavioral Sciences*

*\*\* Also meets requirement for Section IV/Humanities*

### IX. DEFICIENCIES


*No single course can be used to fulfill more than one requirement, with the exception of Multiculturalism (Section VIII).*

**Total Hours Page 2** \_\_\_\_\_

**Total Hours Page 1** \_\_\_\_\_

**Total Hours 1 & 2** \_\_\_\_\_

**55-Hrs. 2nd Digit "1"** \_\_\_\_\_

**OK Graduation?** Yes  No

## ASSOCIATE IN FINE ARTS DEGREE (MUSIC – VOCAL & INSTRUMENTAL OPTION)

### RLC Graduation Requirements Worksheet

Students will not be denied admission because of deficiencies in high school work but must satisfy these deficiencies before graduation from Rend Lake College. **Meeting graduation requirements ultimately is the responsibility of the student. Students are encouraged to be familiar with the catalog and program requirements and to work with their academic advisors in selecting courses.**

**IMPORTANT NOTE: Completion of the AFA degree does not fulfill the requirements of the Illinois General Education Core Curriculum, nor does it fulfill the requirements for the Associate in Art or Associate in Science degrees. Therefore, students will need to fulfill the general education requirements of the institution to which they transfer.**

The student's total program must contain a minimum of 64 semester hours of academic work with a grade-point average of not less than "C" (2.0). Candidates for this degree must complete an organized program of study which meets the following core requirements. ~~No more than nine (9) credit hours of courses with a second digit of "2" may be used toward Rend Lake College graduation requirements.~~ A maximum of eight (8) credit hours of one-credit hour PYED courses can be used toward graduation requirements.

#### I. SOCIAL and BEHAVIORAL SCIENCES – Required 1 course (3 hrs.)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> ANTH 1101 - Cultural Anthropology (3)*     | <input type="checkbox"/> HIST 1102 - Western Civilization II (3)  | <input type="checkbox"/> PSYC 2101 - Intro to Psychology (3) |
| <input type="checkbox"/> ECON 1101 - Intro to Economics (3)         | <input type="checkbox"/> HIST 2101 - American History I (3)       | <input type="checkbox"/> PSYC 2102 - Child Psychology (3)    |
| <input type="checkbox"/> ECON 2101 - Principles of Economics I (3)  | <input type="checkbox"/> HIST 2102 - American History II (3)      | <input type="checkbox"/> PSYC 2105 - Social Psychology (3)   |
| <input type="checkbox"/> ECON 2102 - Principles of Economics II (3) | <input type="checkbox"/> HIST 2107 - Latin American History (3)*  | <input type="checkbox"/> SOCI 1101 - Intro to Sociology (3)  |
| <input type="checkbox"/> GEOG 1101 - Introduction to Geography (3)* | <input type="checkbox"/> POLI 1101 - State / Local Government (3) | <input type="checkbox"/> SOCI 2101 - Social Problems (3)     |
| <input type="checkbox"/> HIST 1101 - Western Civilization I (3)     | <input type="checkbox"/> POLI 2101 - American Government (3)      | <input type="checkbox"/> SOCI 2102 - Marriage and Family (3) |

*\*This course meets the requirement for this section and Section IX/Multiculturalism.*

#### II. MATHEMATICS – Required 1 course (3 hrs.)

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> MATH 1107 - Contemporary College Math (3) | <input type="checkbox"/> MATH 2106 - Finite Mathematics (3)     | <input type="checkbox"/> MATH 2122 - Calculus/An. Geometry II (5)  |
| <input type="checkbox"/> MATH 1111 - Statistics (4)                | <input type="checkbox"/> MATH 2110 - Math/Elem. Teachers II (3) | <input type="checkbox"/> MATH 2123 - Calculus/An. Geometry III (4) |
| <input type="checkbox"/> MATH 1121 - Calculus/An. Geometry I (5)   | <input type="checkbox"/> MATH 2115 - Business Calculus (4)      |  |

#### III. SCIENCE – Required 2 courses (7 hrs.)

*Required: One Life Science course and one Physical Science course (at least one laboratory course)*

##### LIFE SCIENCES

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> BIO 1100 - Biology for Non-Majors (4) | <input type="checkbox"/> BIO 1102 - Environmental Ecology (4) | <input type="checkbox"/> MICR 1111 - Microbiology (4)   |
| <input type="checkbox"/> BIO 1101 - College Biology (5)        | <input type="checkbox"/> BOT 1101 - General Botany (5)        | <input type="checkbox"/> ZOO 1101 - General Zoology (4) |

##### PHYSICAL SCIENCES

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> AST 1101 - Intro to Astronomy (4)* | <input type="checkbox"/> GEOL 1101 - Physical Geology (3)         | <input type="checkbox"/> PHY 1101 - College Physics I (5)    |
| <input type="checkbox"/> CHE 1101 - General Chemistry I (5) | <input type="checkbox"/> PHSC 1101 - Physical Science (5)         | <input type="checkbox"/> PHY 1103 - University Physics I (5) |
| <input type="checkbox"/> CHE 1103 - Inorganic Chemistry (5) | <input type="checkbox"/> PHSC 1102 - Princ. of Earth Science (3)* | <i>* Not a laboratory course</i>                             |

#### IV. HUMANITIES – Required 2 courses (6 hrs.)

*\* All languages require one full-year sequence for transfer credit*

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> ENGL 2101 - Classical Literature (3)   | <input type="checkbox"/> ENGL 2111 - American Lit to 1865 (3)      | <input type="checkbox"/> PHIL 2103 - World Religion (3)*         |
| <input type="checkbox"/> ENGL 2102 - Intro to Literature (3)    | <input type="checkbox"/> ENGL 2112 - American Lit 1865-Present (3) | <input type="checkbox"/> PHIL 2104 - Ethics (3)                  |
| <input type="checkbox"/> ENGL 2104 - The Short Story (3)        | <input type="checkbox"/> ENGL 2113 - Introduction to Drama (3)     | <input type="checkbox"/> PHIL 2105 - Non-Western Philosophy (3)* |
| <input type="checkbox"/> ENGL 2105 - Introduction to Poetry (3) | <input type="checkbox"/> ENGL 2114 - The Novel (3)                 | <input type="checkbox"/> PHIL 2106 - Philosophy of Religion (3)  |
| <input type="checkbox"/> ENGL 2107 - Mythology (3)              | <input type="checkbox"/> HUMT 1105 - Humanities thru Arts (3)      |  |
| <input type="checkbox"/> ENGL 2109 - British Literature I (3)   | <input type="checkbox"/> PHIL 1101 - Intro to Philosophy (3)       |  |
| <input type="checkbox"/> ENGL 2110 - British Literature II (3)  | <input type="checkbox"/> PHIL 2101 - Logic (3)                     |  |

*\*This course meets the requirement for this section and Section IX/Multiculturalism.*

Hours I \_\_\_\_\_ Hours II \_\_\_\_\_ Hours III \_\_\_\_\_ Hours IV \_\_\_\_\_ TOTAL Pg. 1 \_\_\_\_\_

## ASSOCIATE IN FINE ARTS DEGREE (MUSIC – VOCAL & INSTRUMENTAL OPTION) (cont.)

### V. COMMUNICATIONS – Required 3 courses (9 hrs.)

*Required: Two-course sequence in writing (with grade of "C" or better) (6 hrs.); one course in oral communications*

- \_\_\_ COMM 1101 - Principles of Eff. Speaking (3)      \_\_\_ ENGL 1101 - Rhetoric and Comp. I (3)      \_\_\_ ENGL 1102 - Rhetoric and Comp. II (3)

### VI. MUSIC – Required 12 courses (23 hrs.)

*Required: Two semesters of MUSI 1127 - Applied Music I (Keyboard)*

- |                                     |  |                                      |
|-------------------------------------|--|--------------------------------------|
| ___ MUSI 1101 - Music Theory I (3)  | ___ MUSI 1111 - Music Literature (3)           | ___ MUSI 2101 - Music Theory III (3) |
| ___ MUSI 1102 - Music Theory II (3) | ___ MUSI 1127 - Applied Music I – Piano (1) x2 | ___ MUSI 2102 - Music Theory IV (3)  |
| ___ MUSI 1103 - Aural Skills I (1)  | ___ MUSI 1145 - Piano Class I (1)              | ___ MUSI 2103 - Aural Skills III (1) |
| ___ MUSI 1106 - Aural Skills II (1) | ___ MUSI 1146 - Piano Class II (1)             | ___ MUSI 2104 - Aural Skills IV (1)  |

### VII. MUSIC ENSEMBLES – Required 4 semesters (4 hrs.) (INSTRUMENTAL OPTION)

*Required: Two semesters of MUSI 1161 & MUSI 2161*

- \_\_\_ MUSI 1161 - Concert Band I (1) x2      \_\_\_ MUSI 2161 - Concert Band II (1) x2

#### (VOCAL OPTION)

*Required: Two semesters of MUSI 1159 & MUSI 2159 or two semesters of MUSI 1161 & MUSI 2161*

- \_\_\_ MUSI 1159 - Concert Choir I (1) x2      \_\_\_ MUSI 2159 - Concert Choir II (1) x2

### VIII. APPLIED MUSIC – Required 4 semesters (8 hrs.)

#### (INSTRUMENTAL OPTION)

*Required: Four semesters of principal instrument lessons*

- |  |  |   |
|--|--|---|
| ___ MUSI 1121 - Applied Music I – Woodwinds (2)  | ___ MUSI 1126 - Applied Music I – Classical Guitar (2) | ___ MUSI 2123 - Applied Music II – Strings (2)          |
| ___ MUSI 1122 - Applied Music I – Brass (2)      | ___ MUSI 1127 - Applied Music I – Keyboard (2)         | ___ MUSI 2124 - Applied Music II – Percussion (2)       |
| ___ MUSI 1123 - Applied Music I – Strings (2)    | ___ MUSI 2121 - Applied Music II – Woodwinds (2)       | ___ MUSI 2126 - Applied Music II – Classical Guitar (2) |
| ___ MUSI 1124 - Applied Music I – Percussion (2) | ___ MUSI 2122 - Applied Music II – Brass (2)           | ___ MUSI 2127 - Applied Music II – Keyboard (2)         |

#### (VOCAL OPTION)

*Required: Four semesters of applied voice lessons*

- \_\_\_ MUSI 1120 - Applied Music I – Private Voice (2)      \_\_\_ MUSI 2120 - Applied Music II – Private Voice (2)

### IX. REND LAKE COLLEGE REQUIREMENTS

#### FIRST-YEAR EXPERIENCE

- \_\_\_ ORIE 1101 - Orientation (1.5) - Required during first semester for degree-seeking students

#### MULTICULTURALISM (Choose 1 Course)

- |   |  |  |
|---|--|--|
| ___ ANTH 1101 – Cultural Anthropology (3)*      | ___ GEOG 1101 – Introduction to Geography (3)* | ___ PHIL 2103 – World Religion (3)**         |
| ___ COMM 1106 – Intercultural Communication (3) | ___ HIST 2106 - Black American History (3)***  | ___ PHIL 2105 – Non-Western Philosophy (3)** |
| ___ EDUC 1107 - Diversity in Education (3)***   | ___ HIST 2107 – Latin American History (3)*    |  |

\* Also meets requirement for Section I/Social and Behavioral Sciences

\*\* Also meets requirement for Section IV/Humanities

### X. DEFICIENCIES

_____	_____
_____	_____
_____	_____

No single course can be used to fulfill more than one requirement, with the exception of Multiculturalism (Section IX).

Total Hours Page 2 \_\_\_\_\_

Total Hours Page 1 \_\_\_\_\_

Total Hours 1 & 2 \_\_\_\_\_

55 Hrs. 2nd Digit "1" \_\_\_\_\_

OK Graduation? Yes  No

## ASSOCIATE IN ENGINEERING SCIENCE DEGREE

### RLC Graduation Requirements Worksheet

Students will not be denied admission because of deficiencies in high school work but must satisfy these deficiencies before graduation from Rend Lake College. Meeting graduation requirements ultimately is the responsibility of the student. Students are encouraged to be familiar with the catalog and program requirements and to work with their academic advisors in selecting courses.

**IMPORTANT NOTE:** Completion of the AES degree does not fulfill the requirements of the Illinois General Education Core Curriculum. Therefore, students will need to fulfill the general education requirements of the institution to which they transfer. The student's total program must contain a minimum of 68 semester hours of academic work with a grade-point average of not less than "C" (2.0).

#### I. SOCIAL and BEHAVIORAL SCIENCES – Required 1 course (3 hrs.)

- |   |   |  |
|---|---|--|
| <input type="checkbox"/> ANTH 1101 - Cultural Anthropology (3)*     | <input type="checkbox"/> HIST 1102 - Western Civilization II (3)  | <input type="checkbox"/> PSYC 2101 - Intro to Psychology (3) |
| <input type="checkbox"/> ECON 1101 - Intro to Economics (3)         | <input type="checkbox"/> HIST 2101 - American History I (3)       | <input type="checkbox"/> PSYC 2102 - Child Psychology (3)    |
| <input type="checkbox"/> ECON 2101 - Principles of Economics I (3)  | <input type="checkbox"/> HIST 2102 - American History II (3)      | <input type="checkbox"/> PSYC 2105 - Social Psychology (3)   |
| <input type="checkbox"/> ECON 2102 - Principles of Economics II (3) | <input type="checkbox"/> HIST 2107 - Latin American History (3)*  | <input type="checkbox"/> SOCI 1101 - Intro to Sociology (3)  |
| <input type="checkbox"/> GEOG 1101 - Introduction to Geography (3)* | <input type="checkbox"/> POLI 1101 - State / Local Government (3) | <input type="checkbox"/> SOCI 2101 - Social Problems (3)     |
| <input type="checkbox"/> HIST 1101 - Western Civilization I (3)     | <input type="checkbox"/> POLI 2101 - American Government (3)      | <input type="checkbox"/> SOCI 2102 - Marriage and Family (3) |

\*This course meets the requirement for this section and Section VI/Multiculturalism.

#### II. MATHEMATICS – Required 4 courses (17 hrs.)

- |  |  |   |
|--|--|---|
| <input type="checkbox"/> CSCI 1104 - Intro to Programming (4)    | <input type="checkbox"/> MATH 2122 - Calculus/An. Geometry II (5)  | <input type="checkbox"/> MATH 2130 - Differential Equations (3) |
| <input type="checkbox"/> MATH 1121 - Calculus/An. Geometry I (5) | <input type="checkbox"/> MATH 2123 - Calculus/An. Geometry III (4) |   |

#### III. SCIENCE – Required 6 or 7 courses (21-30 hrs.)

Required: All three Physical Science courses listed and the Computer Programming course; two or three courses from Engineering Specialties

- |   |   |   |
|---|---|---|
| <b>PHYSICAL SCIENCES (15 hours)</b>                         | <input type="checkbox"/> PHY 1103 - University Physics I (5)  | <b>COMPUTER PROGRAMMING (3 hours)</b>                         |
| <input type="checkbox"/> CHE 1103 - Inorganic Chemistry (5) | <input type="checkbox"/> PHY 1104 - University Physics II (5) | <input type="checkbox"/> CSCI 1104 - Intro to Programming (4) |

##### LIFE SCIENCES

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> BIO 1100 - Biology for Non-Majors (4) | <input type="checkbox"/> BIO 1102 - Environmental Ecology (4) | <input type="checkbox"/> MICR 1111 - Microbiology (4)   |
| <input type="checkbox"/> BIO 1101 - College Biology (5)        | <input type="checkbox"/> BOT 1101 - General Botany (5)        | <input type="checkbox"/> ZOO 1101 - General Zoology (4) |

##### ENGINEERING SPECIALTIES (6-15 hours)

- |  |   |  |
|--|---|--|
| <i>Chemical Engineering</i>  | <i>Civil Engineering</i>                                      | <i>Electrical Engineering</i>                                    |
| <input type="checkbox"/> CHE 1104 - Q.A. / Inorganic Chemistry (5) | <input type="checkbox"/> ENGG 1101 - Engineering Graphics (4) | <input type="checkbox"/> PHY 2121 - Electrical Eng. Circuits (4) |
| <input type="checkbox"/> CHE 2120 - Organic Chemistry I (5)        | <input type="checkbox"/> PHY 2101 - Statics (3)               |  |
| <input type="checkbox"/> CHE 2121 - Organic Chemistry II (5)       | <input type="checkbox"/> PHY 2102 - Dynamics (3)              |  |

#### IV. HUMANITIES AND FINE ARTS – Required 1 course (3 hrs.)

Required: One course selected from either Humanities or Fine Arts

\* All languages require one full-year sequence for transfer credit

##### HUMANITIES

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> ENGL 2101 - Classical Literature (3)   | <input type="checkbox"/> ENGL 2110 - British Literature II (3)     | <input type="checkbox"/> PHIL 2101 - Logic (3)                   |
| <input type="checkbox"/> ENGL 2102 - Intro to Literature (3)    | <input type="checkbox"/> ENGL 2111 - American Lit to 1865 (3)      | <input type="checkbox"/> PHIL 2103 - World Religion (3)*         |
| <input type="checkbox"/> ENGL 2104 - The Short Story (3)        | <input type="checkbox"/> ENGL 2112 - American Lit 1865-Present (3) | <input type="checkbox"/> PHIL 2104 - Ethics (3)                  |
| <input type="checkbox"/> ENGL 2105 - Introduction to Poetry (3) | <input type="checkbox"/> ENGL 2113 - Intro to Drama (3)            | <input type="checkbox"/> PHIL 2105 - Non-Western Philosophy (3)* |
| <input type="checkbox"/> ENGL 2107 - Mythology (3)              | <input type="checkbox"/> ENGL 2114 - The Novel (3)                 | <input type="checkbox"/> PHIL 2106 - Philosophy of Religion (3)  |
| <input type="checkbox"/> ENGL 2109 - British Literature I (3)   | <input type="checkbox"/> HUMT 1105 - Humanities thru Arts (3)      |  |
|   | <input type="checkbox"/> PHIL 1101 - Intro to Philosophy (3)       |  |

##### FINE ARTS

- |  |   |  |
|--|---|--|
| <input type="checkbox"/> ART 1101 - Art Appreciation (3) | <input type="checkbox"/> HUMT 1104 - Introduction to Film (3) | <input type="checkbox"/> MUSI 1110 - Intro to American Music (3) |
|  | <input type="checkbox"/> MUSI 1100 - Music Appreciation (3)   | <input type="checkbox"/> THEA 1106 - Theatre Appreciation (3)    |

\*This course meets the requirement for this section and Section VI/Multiculturalism.

#### V. COMMUNICATIONS – Required 3 courses (9 hrs.)

Required: Two-course sequence in writing (with grade of "C" or better) (6 hrs.); one course in oral communications

- |  |  |
|--|--|
| <input type="checkbox"/> COMM 1101 - Principles of Eff. Speaking (3) | <input type="checkbox"/> ENGL 1102 - Rhetoric and Comp. II (3) |
| <input type="checkbox"/> ENGL 1101 - Rhetoric and Comp. I (3)        | <input type="checkbox"/> SPAN 2102 - Modern Spanish II (4)*    |

#### VI. REND LAKE COLLEGE REQUIREMENTS

##### FIRST-YEAR EXPERIENCE

- ORIE 1101 - Orientation (1.5) - Required during first semester for degree-seeking students

##### MULTICULTURALISM (Choose 1 Course)

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> ANTH 1101 - Cultural Anthropology (3)*      | <input type="checkbox"/> GEOG 1101 - Introduction to Geography (3)* | <input type="checkbox"/> PHIL 2103 - World Religion (3)**         |
| <input type="checkbox"/> COMM 1106 - Intercultural Communication (3) | <input type="checkbox"/> HIST 2106 - Black American History (3)***  | <input type="checkbox"/> PHIL 2105 - Non-Western Philosophy (3)** |
| <input type="checkbox"/> EDUC 1107 - Diversity in Education (3)***   | <input type="checkbox"/> HIST 2107 - Latin American History (3)*    |   |

\* Also meets requirement for Section I/Social and Behavioral Sciences | \*\* Also meets requirement for Section IV/Humanities & Fine Arts

#### VII. DEFICIENCIES No single course can be used to fulfill more than one requirement.

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Total Hours I through VI \_\_\_\_\_

56 Hrs. 2nd Digit "1" \_\_\_\_\_

OK Graduation? Yes  No

No single course can be used to fulfill more than one requirement, with the exception of Multiculturalism (Section VI).



**ADDITION OF COURSE SEQUENCES FOR TWO WELDING CERTIFICATES, SHOWING TRADITIONAL FORMAT VS. COMPETENCY-BASED EDUCATION FORMAT**

**WELDING FUNDAMENTALS**  
*Occupational Certificate - 12 credit hours*  
**WELD 0117; CIP 48.0508**  
**Instructional Delivery: Traditional**

	<b>Cr. Hrs.</b>
<input type="checkbox"/> WELD 1270 Introduction to Welding Processes	4
<input type="checkbox"/> WELD 1272 Structural Shielded Metal Arc Welding	4
<input type="checkbox"/> WELD 1282 GMAW / GTAW Welding	<u>4</u>
Total Credit Hours	12

**WELDING FUNDAMENTALS**  
*Occupational Certificate - 12 credit hours*  
**WELD 0117; CIP 48.0508**  
**Instructional Delivery: Competency Based Education**

	<b>Cr. Hrs.</b>
<input type="checkbox"/> WELD 1201 Oxy-Acetylene Welding (OAW)	1
<input type="checkbox"/> WELD 1202 Structural Shielded Metal Arc Welding (SMAW)	1
<input type="checkbox"/> WELD 1205 SMAW II	1
<input type="checkbox"/> WELD 1206 SMAW III	1
<input type="checkbox"/> WELD 1207 SMAW IV	1
<input type="checkbox"/> WELD 1208 SMAW V	1
<input type="checkbox"/> WELD 1203 Gas Metal Arc Welding (GMAW)	1
<input type="checkbox"/> WELD 1209 GMAW II	1
<input type="checkbox"/> WELD 1210 GMAW III	1
<input type="checkbox"/> WELD 1211 GMAW IV	1
<input type="checkbox"/> WELD 1204 Gas Tungsten Arc Welding (GTAW)	1
<input type="checkbox"/> WELD 1212 GTAW II	<u>1</u>
Total Credit Hours	12

**WELDING TECHNOLOGY**  
*Occupational Certificate - 24 credit hours*  
**WELD 0056; CIP 48.0508**  
**Instructional Delivery: Traditional**

	<b>Cr. Hrs.</b>
<b>Fall Semester</b>	
<input type="checkbox"/> WELD 1270 Introduction to Welding Processes	4
<input type="checkbox"/> WELD 1272 Structural Shielded Metal Arc Welding	4
<input type="checkbox"/> WELD 1282 GMAW / GTAW Welding	4
<input type="checkbox"/> WELD 2274 Blueprint Reading	<u>3</u>
	15
<b>Spring Semester</b>	
<input type="checkbox"/> WELD 1284 GTAW Welding	3
<input type="checkbox"/> WELD 2240 Metallurgy and Heat Treatment	2
<input type="checkbox"/> WELD 2242 Weld Inspection for Quality Control	2
<input type="checkbox"/> WELD 2275 Advanced Shielded Metal Arc Welding	<u>2</u>
	9
Total Credit Hours	24

**WELDING TECHNOLOGY**  
*Occupational Certificate - 24 credit hours*  
**WELD 0056; CIP 48.0508**  
**Instructional Delivery: Competency Based Education**

	<b>Cr. Hrs.</b>
<input type="checkbox"/> WELD 1201 Oxy-Acetylene Welding (OAW)	1
<input type="checkbox"/> WELD 1202 Structural Shielded Metal Arc Welding (SMAW)	1
<input type="checkbox"/> WELD 1205 SMAW II	1
<input type="checkbox"/> WELD 1206 SMAW III	1
<input type="checkbox"/> WELD 1207 SMAW IV	1
<input type="checkbox"/> WELD 1208 SMAW V	1
<input type="checkbox"/> WELD 1203 Gas Metal Arc Welding (GMAW)	1
<input type="checkbox"/> WELD 1209 GMAW II	1
<input type="checkbox"/> WELD 1210 GMAW III	1
<input type="checkbox"/> WELD 1211 GMAW IV	1
<input type="checkbox"/> WELD 1204 Gas Tungsten Arc Welding (GTAW)	1
<input type="checkbox"/> WELD 1212 GTAW II	1
<input type="checkbox"/> WELD 2274 Blueprint Reading	3
<input type="checkbox"/> WELD 1284 GTAW Welding	3
<input type="checkbox"/> WELD 2240 Metallurgy and Heat Treatment	2
<input type="checkbox"/> WELD 2242 Weld Inspection for Quality Control	2
<input type="checkbox"/> WELD 2275 Advanced Shielded Metal Arc Welding	<u>2</u>
Total Credit Hours	24