

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 *	Cr. Hrs.	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**

First Semester		Cr. Hrs.
<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 + or	
	CSCI 1102 Intro to Computers w/ Business Applications	3
<input type="checkbox"/>	ENGL 1101 Rhetoric and Composition I ^{2 1}	<u>3</u>
		15

Second Semester		
<input type="checkbox"/>	MATH 1107 Contemporary College Mathematics ^{1 **} or	
	MATH 1201 Technical Mathematics ²	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>
		18

Third Semester		
<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* or	
	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>
		15

Fourth Semester		
<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>
		16

CORE ELECTIVES		
	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.

⁺—Student must pass pre-test prior to enrolling in course.

^{2 1} Prerequisite course(s) may be required based on test scores.

² MATH 1107 or higher needed for transfer

NEW CERTIFICATE

AGRICULTURAL AUTOMATION

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

This program is designed to prepare students to pursue a career in the field of agricultural autonomy. Agriculture is changing rapidly and quality employees are becoming more difficult to find. This program gives students the foundational tools to be prepared to operate a farm autonomously. Students will gain knowledge of agricultural engineering for enhanced farm and perational efficiency, as well as an understanding of the digital sector of agriculture. Students will also receive hands on experience with some of the industry’s most cutting-edge technology in order to prepare them for the future. ► **Total = 64 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> AGAT I200	Introduction to Agricultural Engineering	4
AGAT I201	Ag Tech Software Applications	4
AGAT I202	Circuit Fundamentals & Digital Logic	4
AGAT I203	Autonomous Applications in Ag	<u>4</u>
		16

NEW CERTIFICATE

AUTOMOTIVE HEV/EV

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

This certificate is designed to prepare students for entry-level occupations involving the maintenance and repair of electric motor vehicles. Upon completion, students will have obtained knowledge regarding operation, maintenance, diagnosis and repair of HEV/EV systems. ► **Total = 8 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> AUTO 1232	Auto Electical Systems A	3

Second Semester		Cr. Hrs.
<input type="checkbox"/> AUTO 2213	Hybrid And Electric Vehicles I	2
<input type="checkbox"/> AUTO 2251	Hybrid And Electric Vehicles li	<u>3</u>
		5

CHANGES TO TRUCK DRIVER TRAINING HEAVY EQUIPMENT TRANSPORTATION CERTIFICATE

TRUCK DRIVER TRAINING – HEAVY EQUIPMENT TRANSPORTATION

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

This certificate is designed to prepare students for occupations involving the maintenance, repair, and operation of semi-tractor trailer units. Upon successful completion of the curriculum, the student will have a basic knowledge of engine and brake repair, servicing, alignment, and operation of a tractor trailer unit. The Illinois Secretary of State’s Commercial Driver’s License Pre-Trip, Skills and Road Examinations will be administered. ► **Total = 16 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> DIEL 1202	Basic Diesel Fuel Systems	2
<input type="checkbox"/> DIEL 1203	Heavy Equipment Alignment	4
<input type="checkbox"/> DIEL 1205	Heavy Equipment Brakes	3
<input type="checkbox"/> TRUK 1201	Commercial Driver’s License Review	1
<input type="checkbox"/> TRUK 1202	Truck Driver Training I	3
<input type="checkbox"/> TRUK 1203	Truck Driver Training II	<u>3</u>
		16

TRUCK DRIVER TRAINING – HEAVY EQUIPMENT TRANSPORTATION

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

This certificate is designed to prepare students for occupations involving the maintenance, repair, and operation of semi-tractor trailer units. Upon successful completion of the curriculum, the student will have a basic knowledge of engine and brake repair, servicing, alignment, and operation of a tractor trailer unit. The Illinois Secretary of State’s Commercial Driver’s License Pre-Trip, Skills and Road Examinations will be administered. ► **Total = 16 Hours**

First Semester		Cr. Hrs.
<input type="checkbox"/> DIEL 1201	Diesel Fuel Systems	3
<input type="checkbox"/> DIEL 1203	Heavy Equipment Alignment	2
<input type="checkbox"/> DIEL 1205	Heavy Equipment Brakes	3
<input type="checkbox"/> TRUK 1201	Commercial Driver’s License Review	1
<input type="checkbox"/> TRUK 1202	Truck Driver Training I	3
<input type="checkbox"/> TRUK 1203	Truck Driver Training II	3
<input type="checkbox"/> BUSI 1202	Employability Skills	<u>1</u>
		16

AGRICULTURAL BUSINESS

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. Courses are designed to meet the needs of students who wish to pursue a career in the broad area of agricultural business at the mid-management level. Graduates should find interesting and rewarding opportunities in agricultural sales and services. Upon completion of this program, the student has the option to capstone into a participating four-year institution.

► Total = 68 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1161	Soil Science	4
<input type="checkbox"/> AGRI 1222	Applied Mathematics ¹	
	or Elective – Mathematics ¹	3
<input type="checkbox"/> AGRI 1251	Intro to Ag Production	3
<input type="checkbox"/> AGRI 1285	Agricultural Technologies	3
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	<u>3</u>
		16

Spring Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1141	Agricultural Economics	3
<input type="checkbox"/> AGRI 1210	Supervised Occupational Experience	4
<input type="checkbox"/> AGRI 1221	Intro to Agricultural Occupations	
	BUSI 1202 or Employability Skills	1
<input type="checkbox"/> AGRI 1223	Intro to Ag Business	3
<input type="checkbox"/> AGRI 1262	Agricultural Chemicals	<u>3</u>
		14

Fall Semester		Cr. Hrs.
<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	3
<input type="checkbox"/> PSYC 2101	Introduction to Psychology ¹	
	PSYC 2106 or Human Relations	<u>3</u>
		19

Spring Semester		Cr. Hrs.
<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 Agricultural Products	5
<input type="checkbox"/>	Elective – General Education ^{1,2}	<u>3</u>
		19

¹ Prerequisite course(s) may be required based on test scores.

² See Division Chairperson for list of approved courses

AGRICULTURAL BUSINESS

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. Courses are designed to meet the needs of students who wish to pursue a career in the broad area of agricultural business at the mid-management level. Graduates should find interesting and rewarding opportunities in agricultural sales and services. Upon completion of this program, the student has the option to capstone into a participating four-year institution.

► Total = 68 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1161	Soil Science	4
<input type="checkbox"/> AGRI 1222	Applied Mathematics ¹	
	or Elective – Mathematics ¹	3
<input type="checkbox"/> AGRI 1251	Intro to Ag Production	3
<input type="checkbox"/> AGRI 1285	Agricultural Technologies	3
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	<u>3</u>
		16

Spring Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1141	Agricultural Economics	3
<input type="checkbox"/> AGRI 1210	Supervised Occupational Experience	4
<input type="checkbox"/> AGRI 1221	Intro to Agricultural Occupations	
	BUSI 1202 or Employability Skills	1
<input type="checkbox"/> AGRI 1223	Intro to Ag Business	3
<input type="checkbox"/> AGRI 1262	Agricultural Chemicals	<u>3</u>
		14

Fall Semester		Cr. Hrs.
<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	3
	CSCI 1101 or Intro to Computers	3
<input type="checkbox"/> PSYC 2101	Introduction to Psychology ¹	
	PSYC 2106 or Human Relations	<u>3</u>
		19

Spring Semester		Cr. Hrs.
<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 Agricultural Products	5
<input type="checkbox"/>	Elective – General Education ^{1,2}	<u>3</u>
		19

¹ Prerequisite course(s) may be required based on test scores.

² See Division Chairperson for list of approved courses

AGRICULTURAL MECHANICS

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. The program is designed to prepare students for occupations involving the maintenance and repair of implements such as tractors, combines and other farm machinery. Upon completion of the curriculum, the student should have a thorough knowledge of engine and equipment repair, servicing, sales and management. Also upon completion, the student has the option to capstone into a participating four-year institution.

► Total = 69 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> AGRI 1205	Assembling, Adjusting and Reconditioning Farm Equipment	
<input type="checkbox"/> AGRI 1207	or Machinery Reconditioning Restoration	5
<input type="checkbox"/> AGRI 1215	Small Engines	3
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	<u>3</u>
		17

Spring Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1204	Physics of Hydraulics	4
<input type="checkbox"/> AGRI 1210	Supervised Occupational Experience	4
<input type="checkbox"/> AGRI 1221	Intro to Agricultural Occupations	1
<input type="checkbox"/> COMM 1101	Principles of Effective Speaking ¹	3
<input type="checkbox"/> CSCI 1101	Intro to Computers	
<input type="checkbox"/> CSCI 1102	or Intro to Computers w/ Business Applications	3
<input type="checkbox"/> DIEL 1202	Basic Diesel Fuel Systems	<u>2</u>
		17

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1203	Ignition and Electrical Systems	3
<input type="checkbox"/> AGRI 1222	Applied Mathematics ¹	3
<input type="checkbox"/> AGRI 1285	Agricultural Technologies	3
<input type="checkbox"/> AGRI 2201	Transmission and Power Trains	4
<input type="checkbox"/> DIEL 1204	Intermediate Diesels	<u>4</u>
		17

Spring Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1206	Ag Air Conditioning Systems	4
<input type="checkbox"/> AGRI 2204	Advanced Major Overhaul	5
<input type="checkbox"/> PSYC 2101	Introduction to Psychology	3
<input type="checkbox"/> AGRI 2210	Supervised Occupational Experience II	
<input type="checkbox"/> AGRI 2206	or Advanced Electrical & Hydraulics	<u>4</u>
		16

¹ Prerequisite course(s) may be required based on test scores.

² See Division Chairperson for list of approved courses.

AGRICULTURAL MECHANICS

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. The program is designed to prepare students for occupations involving the maintenance and repair of implements such as tractors, combines and other farm machinery. Upon completion of the curriculum, the student should have a thorough knowledge of engine and equipment repair, servicing, sales and management. Also upon completion, the student has the option to capstone into a participating four-year institution.

► Total = 69 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> AGRI 1205	Assembling, Adjusting and Reconditioning Farm Equipment	
<input type="checkbox"/> AGRI 1207	or Machinery Reconditioning Restoration	5
<input type="checkbox"/> HEQT 1201	Heavy Equipment Maintenance	4
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	<u>3</u>
		18

Spring Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1204	Physics of Hydraulics	4
<input type="checkbox"/> AGRI 1210	Supervised Occupational Experience	4
<input type="checkbox"/> AGRI 1221	Intro to Agricultural Occupations	1
<input type="checkbox"/> COMM 1101	Principles of Effective Speaking ¹	3
<input type="checkbox"/> CSCI 1101	Intro to Computers	
<input type="checkbox"/> CSCI 1102	or Intro to Computers w/ Business Applications	3
<input type="checkbox"/> DIEL 1201	Diesel Fuel Systems	
<input type="checkbox"/> HEQT 1211	or Engine Fuel Systems	<u>3</u>
		18

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1203	Ignition and Electrical Systems	
<input type="checkbox"/> HEQT 1208	or Fundamentals of Machine Electronics	3
<input type="checkbox"/> AGRI 1222	Applied Mathematics ¹	3
<input type="checkbox"/> AGRI 1285	Agricultural Technologies	3
<input type="checkbox"/> AGRI 2201	Transmission and Power Trains	4
<input type="checkbox"/> DIEL 1208	Diesel Accessories	<u>2</u>
		15

Spring Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1206	Ag Air Conditioning Systems	4
<input type="checkbox"/> AGRI 2204	Advanced Major Overhaul	5
<input type="checkbox"/> AGRI 2206	Advanced Electrical & Hydraulics	
<input type="checkbox"/> HEQT 2207	or Machine Sys. Diagnosis & Troubleshooting	4
<input type="checkbox"/> PSYC 2101	Introduction to Psychology	3
<input type="checkbox"/> DIEL 1206	Advanced Diesels	<u>2</u>
		18

¹ Prerequisite course(s) may be required based on test scores.

² See Division Chairperson for list of approved courses.

AGRICULTURAL PRODUCTION & MANAGEMENT

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

The two-year Agricultural Production and Management program leads to an Associate in Applied Science Degree combining many of the features in mechanical and business curricula to help students stay abreast with the dynamic, ever-changing agriculture industry.

These changes are increasing the need and the opportunities for individuals who possess both technical knowledge and management ability. RLC students develop decision-making abilities by being exposed to such areas as farm management, economics and marketing. Courses like those dealing with feeds and feeding, soils and fertilizers and ag chemicals are intended to help develop technical skills.

Unique to this program are the mechanical courses designed to develop skills needed to service the machines common in today's agriculture.

The Agricultural Production and Management program originally was designed for students who already have an opportunity to farm. However, many other employment opportunities are available as managers and herdsman on large grain and livestock farms or as fertilizer, chemical and seed suppliers to ag service companies.

Upon completion of this program, the student has the option to capstone into a participating four-year institution.

► **Total = 71 Hours**

Fall 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 ¹	
MATH	or Math Elective ¹	3
<input type="checkbox"/> AGRI 1251	Intro to Ag Production	3
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	<u>3</u>
		19

Spring 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 Agricultural Occupations	
	or Employability Skills	1
<input type="checkbox"/> AGRI 1223	Intro 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

Fall Semester		
<input type="checkbox"/> AGRI 1205	Assembling, Adjusting and Reconditioning Farm Equipment or	
AGRI 1207	Machinery Reconditioning Restoration	5
<input type="checkbox"/> AGRI 1263	Crop Science	4
<input type="checkbox"/> AGRI 1285	Agricultural Technologies	3
<input type="checkbox"/> AGRI 2225	Food & Agricultural Policy	3
<input type="checkbox"/> PSYC 2101	Introduction to Psychology ¹	
PSYC 2106	or Human Relations	<u>3</u>
		18

Spring 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 Agricultural Products	5
<input type="checkbox"/> DIEL 1202	Basic Diesel Fuel Systems	<u>2</u>
<input type="checkbox"/>	Elective – General Education	<u>3</u>
		17

AGRICULTURAL PRODUCTION & MANAGEMENT

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

The two-year Agricultural Production and Management program leads to an Associate in Applied Science Degree combining many of the features in mechanical and business curricula to help students stay abreast with the dynamic, ever-changing agriculture industry.

These changes are increasing the need and the opportunities for individuals who possess both technical knowledge and management ability. RLC students develop decision-making abilities by being exposed to such areas as farm management, economics and marketing. Courses like those dealing with feeds and feeding, soils and fertilizers and ag chemicals are intended to help develop technical skills.

Unique to this program are the mechanical courses designed to develop skills needed to service the machines common in today's agriculture.

The Agricultural Production and Management program originally was designed for students who already have an opportunity to farm. However, many other employment opportunities are available as managers and herdsman on large grain and livestock farms or as fertilizer, chemical and seed suppliers to ag service companies.

Upon completion of this program, the student has the option to capstone into a participating four-year institution.

► **Total = 71 Hours**

Fall 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 ¹	
	or Math Elective ¹	3
<input type="checkbox"/> AGRI 1251	Intro to Ag Production	3
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	<u>3</u>
		19

Spring 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 Agricultural Occupations	
BUSI 1202	or Employability Skills	1
<input type="checkbox"/> AGRI 1223	Intro 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

Fall Semester		
<input type="checkbox"/> AGRI 1205	Assembling, Adjusting and Reconditioning Farm Equipment or	
AGRI 1207	Machinery Reconditioning Restoration	5
<input type="checkbox"/> AGRI 1263	Crop Science	4
<input type="checkbox"/> AGRI 1285	Agricultural Technologies	3
<input type="checkbox"/> AGRI 2225	Food & Agricultural Policy	3
<input type="checkbox"/> PSYC 2101	Introduction to Psychology ¹	
PSYC 2106	or Human Relations	<u>3</u>
		18

Spring 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 Agricultural Products	5
<input type="checkbox"/>	Elective	2
<input type="checkbox"/>	Elective – General Education	<u>3</u>
		17

DIESEL TECHNOLOGY

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. The program is designed to prepare students for occupations involving the maintenance and repair of diesel engines. Upon completion of the curriculum, the student should have a thorough knowledge of servicing diesel systems and their accessories. Also upon completion, the student has the option to capstone into a participating four-year institution.

► **Total = 66 Hours**

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> DIEL 1208	Diesel Accessories	2
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I ¹	3
<input type="checkbox"/> CSCI 1101	Introduction to Computers	
<input type="checkbox"/> CSCI 1102	or Introduction to Computers w/Business Apps	3
<input type="checkbox"/> PSYC 2101	Introduction to Psychology ²	<u>3</u>
		17
Spring Semester		
<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	2
<input type="checkbox"/> DIEL 1210	Supervised Occupational Experience	4
<input type="checkbox"/> DIEL 1205	Heavy Equipment Brakes	<u>3</u>
		16
Fall Semester		
<input type="checkbox"/> AGRI 1203	Ignition and Electrical Systems	5
<input type="checkbox"/> AGRI 1222	Applied Mathematics	3
<input type="checkbox"/> AGRI 2201	Transmission and Power Trains	4
<input type="checkbox"/> DIEL 1204	Intermediate Diesels	<u>4</u>
		16
Spring Semester		
<input type="checkbox"/> AGRI 1206	Ag Air Conditioning Systems ²	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	
<input type="checkbox"/> AGRI 2206	or Advanced Electrical and Hydraulics	<u>4</u>
		17

~~**RECOMMENDED COURSE**~~~~WELD 1270 Introduction to Welding Processes 4~~¹ Prerequisite course(s) may be required based on test scores.² Highly recommended course for students in the Diesel Technology program.**DIESEL TECHNOLOGY**

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. The program is designed to prepare students for occupations involving the maintenance and repair of diesel engines. Upon completion of the curriculum, the student should have a thorough knowledge of servicing diesel systems and their accessories. Also upon completion, the student has the option to capstone into a participating four-year institution.

► **Total = 66 Hours**

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> DIEL 1208	Diesel Accessories	2
<input type="checkbox"/> ENGL 1101	Rhetoric and Composition I	3
<input type="checkbox"/> CSCI 1101	Introduction to Computers	
<input type="checkbox"/> CSCI 1102	or Introduction to Computers w/Business Apps	3
<input type="checkbox"/> HEQT 1201	Heavy Equipment Maintenance	<u>4</u>
		18
Spring Semester		
<input type="checkbox"/> AGRI 1204	Physics of Hydraulics	4
<input type="checkbox"/> COMM 1101	Principles of Effective Speaking	3
<input type="checkbox"/> DIEL 1201	Diesel Fuel Systems	
<input type="checkbox"/> HEQT 1211	or Engine Fuel Systems	3
<input type="checkbox"/> DIEL 1210	Supervised Occupational Experience	4
<input type="checkbox"/> DIEL 1205	Heavy Equipment Brakes	<u>3</u>
<input type="checkbox"/> AGRI 1221	Intro to Ag Occupations	<u>1</u>
		18
Fall Semester		
<input type="checkbox"/> AGRI 1203	Ignition and Electrical Systems	
<input type="checkbox"/> HEQT 1208	or Fundamentals of Machine Electronics	3
<input type="checkbox"/> AGRI 1222	Applied Mathematics	3
<input type="checkbox"/> AGRI 2201	Transmission and Power Trains	4
<input type="checkbox"/> PSYC 2101	Introduction to Psychology ¹	<u>3</u>
		13
Spring Semester		
<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"/> HEQT 2207	or Machine Sys. Diag. & Troubleshooting	<u>4</u>
		17

¹ Prerequisite course(s) may be required based on test scores.

HEAVY EQUIPMENT TECHNOLOGY

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. The program is designed to prepare students for occupations involving the maintenance and repair of heavy duty trucks and equipment. Upon completion of the curriculum, the student should have a thorough knowledge of engine and brake repair, servicing, sales and alignment. Also upon completion, the student has the option to capstone into a participating four-year institution. ► **Total = 70 Hours**

Fall Semester

	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 Diesel Engines	6
<input type="checkbox"/> CSCI 1101 Intro to Computers or	
<input type="checkbox"/> CSCI 1102 Intro to Computers w/Business Applications	3
<input type="checkbox"/> DIEL 1208 Diesel Accessories	2
<input type="checkbox"/> ENGL 1101 Rhetoric and Composition I ¹	3
<input type="checkbox"/> HEQT 1201 Heavy Equipment Maintenance	<u>4</u>
	18

Spring Semester

<input type="checkbox"/> AGRI 1204 Physics of Hydraulics	4
<input type="checkbox"/> AGRI 1221 Intro to Agriculture Occupations	1
<input type="checkbox"/> COMM 1101 Principles of Effective Speaking	3
<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

Fall Semester

<input type="checkbox"/> AGRI 1222 Applied Mathematics ¹	3
<input type="checkbox"/> AGRI 2201 Transmissions and Power Trains	4
<input type="checkbox"/> HEQT 2205 Undercarriage and Final Drives ²	3
<input type="checkbox"/> HEQT 2203 Machine Systems Electronics	3
<input type="checkbox"/> PSYC 2101 Introduction to Psychology	<u>3</u>
	16

Spring 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

¹ Prerequisite course(s) may be required based on test scores.

² DIEL 1204 (4) Intermediate Diesels can be substituted for HEQT 2205

HEAVY EQUIPMENT TECHNOLOGY

Associate in Applied Science Degree

APPLIED SCIENCE & TECHNOLOGY DIVISION

A two-year program leading to an Associate in Applied Science Degree. The program is designed to prepare students for occupations involving the maintenance and repair of heavy duty trucks and equipment. Upon completion of the curriculum, the student should have a thorough knowledge of engine and brake repair, servicing, sales and alignment. Also upon completion, the student has the option to capstone into a participating four-year institution. ► **Total = 70 Hours**

Fall Semester

	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 Diesel Engines	6
<input type="checkbox"/> CSCI 1101 Intro to Computers	
<input type="checkbox"/> CSCI 1102 or Intro to Computers w/Business Applications	3
<input type="checkbox"/> DIEL 1208 Diesel Accessories	2
<input type="checkbox"/> ENGL 1101 Rhetoric and Composition I	3
<input type="checkbox"/> HEQT 1201 Heavy Equipment Maintenance	<u>4</u>
	18

Spring Semester

<input type="checkbox"/> AGRI 1204 Physics of Hydraulics	4
<input type="checkbox"/> AGRI 1221 Intro to Agriculture Occupations	1
<input type="checkbox"/> COMM 1101 Principles of Effective Speaking	3
<input type="checkbox"/> DIEL 1205 Heavy Equipment Brakes	3
<input type="checkbox"/> HEQT 1208 Fundamentals of Machine Electronics	3
AGRI 1203 or Ignitions & Electrical Systems	3

<input type="checkbox"/> HEQT 1211 Engine Fuel Systems	<u>3</u>
DIEL 1201 or Diesel Fuel Systems	3
	17

Fall Semester

<input type="checkbox"/> AGRI 1222 Applied Mathematics ¹	3
<input type="checkbox"/> AGRI 2201 Transmissions and Power Trains	4
<input type="checkbox"/> HEQT 2205 Undercarriage and Final Drives ²	3
<input type="checkbox"/> HEQT 2203 Machine Systems Electronics	3
<input type="checkbox"/> PSYC 2101 Introduction to Psychology	<u>3</u>
	16

Spring 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

AGRI 2206 or Advanced Electrical & Hydraulics	4
	19

HEAVY EQUIPMENT TECHNOLOGY

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

This certificate is designed to prepare students for entry-level occupations involving maintenance and repair of heavy duty trucks and equipment. Upon completion of the curriculum, the students should have basic knowledge of engine, brakes, servicing and undercarriage. ► **Total = 29 Hours**

Fall Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 Diesel Engines	6
<input type="checkbox"/> DIEL 1208 Diesel Accessories	2
<input type="checkbox"/> AGRI 2201 Transmissions and Power Trains	4
<input type="checkbox"/> HEQT 1201 Heavy Equipment Maintenance	<u>4</u>
	16
Spring 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

HEAVY EQUIPMENT TECHNOLOGY

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

This certificate is designed to prepare students for entry-level occupations involving maintenance and repair of heavy duty trucks and equipment. Upon completion of the curriculum, the students should have basic knowledge of engine, brakes, servicing and undercarriage. ► **Total = 29 Hours**

Fall Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1208 Diesel Engines	6
<input type="checkbox"/> DIEL 1208 Diesel Accessories	2
<input type="checkbox"/> AGRI 2201 Transmissions and Power Trains	4
<input type="checkbox"/> HEQT 1201 Heavy Equipment Maintenance	<u>4</u>
	16
Spring 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	
<input type="checkbox"/> AGRI 1203 or Ignitions & Electrical Systems	3
<input type="checkbox"/> HEQT 1211 Engine Fuel Systems	
<input type="checkbox"/> DIEL 1201 or Diesel Fuel Systems	<u>3</u>
	13

AGRICULTURAL MECHANICS

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

► **Total = 30 Hours**

Fall Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1203 Ignition and Electrical Systems	5
<input type="checkbox"/> AGRI 1208 Diesel Engines	6
<input type="checkbox"/> AGRI 2201 Transmission and Power Trains	<u>4</u>
	15
Spring Semester	
<input type="checkbox"/> AGRI 1204 Physics of Hydraulics	4
<input type="checkbox"/> AGRI 1206 Ag Air Conditioning Systems	4
<input type="checkbox"/> AGRI 2204 Advanced Major Overhaul	5
<input type="checkbox"/> DIEL 1202 Basic Diesel Fuel Systems	<u>2</u>
	15
RECOMMENDED ELECTIVES	
<input type="checkbox"/> AGRI 1215 Small Engines	3
<input type="checkbox"/> AGRI 1285 Agriculture Technologies	3
<input type="checkbox"/> WELD 1270 Introduction to Welding Processes	4

AGRICULTURAL MECHANICS

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

► **Total = 33 Hours**

Fall Semester	Cr. Hrs.
<input type="checkbox"/> AGRI 1203 Ignition and Electrical Systems or	
<input type="checkbox"/> HEQT 1208 Fundamental of Machine Elect	3
<input type="checkbox"/> AGRI 1208 Diesel Engines	6
<input type="checkbox"/> AGRI 2201 Transmission and Power Trains	4
<input type="checkbox"/> HEQT 1201 Intro to Machine Maintenance	<u>4</u>
	17
Spring Semester	
<input type="checkbox"/> AGRI 1204 Physics of Hydraulics	4
<input type="checkbox"/> AGRI 1206 Ag Air Conditioning Systems	4
<input type="checkbox"/> AGRI 2204 Advanced Major Overhaul	5
<input type="checkbox"/> DIEL 1201 Diesel Fuel Systems or	
<input type="checkbox"/> HEQT 1211 Engine Fuel Systems	<u>3</u>
	16
RECOMMENDED COURSES	
<input type="checkbox"/> AGRI 1215 Small Engines	3
<input type="checkbox"/> AGRI 1285 Agriculture Technologies	3
<input type="checkbox"/> WELD 1270 Introduction to Welding Processes	4

AGRICULTURAL PRODUCTION & MANAGEMENT

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

► Total = 30 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1161	Soil Science	4
<input type="checkbox"/> AGRI 1205	Assembling, Adjusting and Reconditioning Farm Equipment or	
<input type="checkbox"/> AGRI 1207	Machinery Reconditioning Restoration	5
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> AGRI 1263	Crop Science	<u>4</u>
		19
Spring Semester		
<input type="checkbox"/> AGRI 1181	Intro to Animal Science	4
<input type="checkbox"/> AGRI 1221	Intro to Agricultural Occupations or Employability Skills	1
<input type="checkbox"/> AGRI 2241	Farm Management	3
<input type="checkbox"/>	Elective (<i>Fall or Spring</i>)	<u>3</u>
		11
RECOMMENDED ELECTIVES		
<input type="checkbox"/> AGRI 1262	Agricultural Chemicals	3
<input type="checkbox"/> AGRI 1285	Agriculture Technologies	3
<input type="checkbox"/> DIEL 1202	Basic Diesel Fuel Systems	2

AGRICULTURAL PRODUCTION & MANAGEMENT

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

► Total = 30 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1161	Soil Science	4
<input type="checkbox"/> AGRI 1205	Assembling, Adjusting and Reconditioning Farm Equipment or	
<input type="checkbox"/> AGRI 1207	Machinery Reconditioning Restoration	5
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> AGRI 1263	Crop Science	<u>4</u>
		19
Spring Semester		
<input type="checkbox"/> AGRI 1181	Intro to Animal Science	4
<input type="checkbox"/> AGRI 1221	Intro to Agricultural Occupations or Employability Skills	1
<input type="checkbox"/> AGRI 2241	Farm Management	3
<input type="checkbox"/>	Elective (<i>Fall or Spring</i>)	<u>3</u>
		11
RECOMMENDED ELECTIVES		
<input type="checkbox"/> AGRI 1262	Agricultural Chemicals	3
<input type="checkbox"/> AGRI 1285	Agriculture Technologies	3
<input type="checkbox"/> DIEL 1201	Diesel Fuel Systems	3

CHANGES TO DIESEL TECHNOLOGY CERTIFICATE: CHANGE TO TOTAL CREDIT HOURS. REMOVED DIEL 1204 AND 1202, ADDED COURSE OPTIONS IN BOTH SEMESTERS

DIESEL TECHNOLOGY

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

► Total = 30 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1203	Ignition and Electrical Systems	5
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> DIEL 1204	Intermediate Diesels	4
<input type="checkbox"/> DIEL 1208	Diesel Accessories	<u>2</u>
		17
Spring Semester		
<input type="checkbox"/> AGRI 1204	Physics of Hydraulics	4
<input type="checkbox"/> DIEL 1202	Basic Diesel Fuel Systems	2
<input type="checkbox"/> DIEL 1203	Heavy Equipment Alignment	2
<input type="checkbox"/> DIEL 1205	Heavy Equipment Brakes	3
<input type="checkbox"/> DIEL 1206	Advanced Diesels	<u>2</u>
		13

DIESEL TECHNOLOGY

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

► Total = 29 Hours

First Semester		Cr. Hrs.
<input type="checkbox"/> AGRI 1203	Ignition and Electrical Systems or	
<input type="checkbox"/> HEQT 1208	Fundamentals of Machine Electronics	3
<input type="checkbox"/> AGRI 1208	Diesel Engines	6
<input type="checkbox"/> DIEL 1208	Diesel Accessories	2
<input type="checkbox"/> HEQT 1201	Heavy Equipment Maintenance	<u>4</u>
		15
Second Semester		
<input type="checkbox"/> AGRI 1204	Physics of Hydraulics	4
<input type="checkbox"/> DIEL 1201	Diesel Fuel Systems	3
<input type="checkbox"/> HEQT 1211	or Engine Fuel Systems	3
<input type="checkbox"/> DIEL 1203	Heavy Equipment Alignment	2
<input type="checkbox"/> DIEL 1205	Heavy Equipment Brakes	3
<input type="checkbox"/> DIEL 1206	Advanced Diesels	<u>2</u>
		14

MANUFACTURING TECHNOLOGY

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

The Manufacturing Technology program is designed to prepare graduates for supervisory or technical positions in manufacturing. Curriculum requirements are broad-based to enable graduates to obtain employment in a wide variety of manufacturing areas, such as the Manufacturing Skill Standards Council (MSSC) industry-recognized credentialing system which covers the four critical production functions common to all sectors of manufacturing. The technician will develop a fundamental knowledge of materials, manufacturing process, quality processes, and computer, electrical, mechanical and machine control systems related to manufacturing disciplines.

► Total = 32 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> MACH 1201	Machine Technology I	4
<input type="checkbox"/> MFG 1207	Safety	3
<input type="checkbox"/> MFG 1210	Quality Practices & Measurement	3
<input type="checkbox"/> MFG 1230	Blueprint Reading	3
<input type="checkbox"/> WELD 1270	Introduction to Welding Processes	4
		<u>17</u>
Spring Semester		
<input type="checkbox"/> BUSI 1202	Employability Skills	1
<input type="checkbox"/> IST 2230	Introduction to PLCs	4
<input type="checkbox"/> MACH 1202	Machine Technology II	4
<input type="checkbox"/> MFG 1208	Manufacturing Processes & Production	3
<input type="checkbox"/> MFG 1209	Maintenance Awareness	<u>3</u>
		15

MANUFACTURING TECHNOLOGY

Occupational Certificate

APPLIED SCIENCE & TECHNOLOGY DIVISION

The Manufacturing Technology program is designed to prepare graduates for supervisory or technical positions in manufacturing. Curriculum requirements are broad-based to enable graduates to obtain employment in a wide variety of manufacturing areas, such as the Manufacturing Skill Standards Council (MSSC) industry-recognized credentialing system which covers the four critical production functions common to all sectors of manufacturing. The technician will develop a fundamental knowledge of materials, manufacturing process, quality processes, and computer, electrical, mechanical and machine control systems related to manufacturing disciplines.

► Total = 32 Hours

Fall Semester		Cr. Hrs.
<input type="checkbox"/> MACH 1201	Machine Technology I	4
<input type="checkbox"/> MFG 1207	Safety	3
<input type="checkbox"/> MFG 1210	Quality Practices & Measurement	3
<input type="checkbox"/> MFG 1230	Blueprint Reading	3
<input type="checkbox"/> IST 2230	Introduction to PLCs	<u>4</u>
		17
Spring Semester		
<input type="checkbox"/> BUSI 1202	Employability Skills	1
<input type="checkbox"/> MACH 1202	Machine Technology II	4
<input type="checkbox"/> MFG 1208	Manufacturing Processes & Production	3
<input type="checkbox"/> MFG 1209	Maintenance Awareness	3
<input type="checkbox"/> WELD 1270	Introduction to Welding Processes	<u>4</u>
		15

UNLOCK YOUR POTENTIAL A.M.P. - AT MY PACE WELDING

EDUCATION THAT MOVES AT YOUR SPEED
RLC.EDU/AMP

With our A.M.P. format, you can earn credit for micro-training on specific skills or stack them into traditional welding certificates. You now have the flexibility to focus on the skills you want and progress at your own pace.

OCCUPATIONAL CERTIFICATE

Certificate Format

APPLIED SCIENCE & TECHNOLOGY DIVISION

Welding Fundamentals Certificate ►►►►►►►►►►►►►►►►

<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>
		12

A.M.P. (AT MY PACE)

A.M.P. (At My Pace) Format

APPLIED SCIENCE & TECHNOLOGY DIVISION

►►►► A.M.P Format (Choose your skills and stack them)

<input type="checkbox"/> WELD 1201	Oxy-Acetylene Welding (OAW)	1
<input type="checkbox"/> WELD 1202	Structural Shielded Metal Arc Weld. (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>
		12

Welding Technology Certificate ►►►►►►►►►►►►►►►►

Fall Semester

<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

Spring Semester

<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

►►►► A.M.P Format (Choose your skills and stack them)

<input type="checkbox"/> WELD 1201	Oxy-Acetylene Welding (OAW)	1
<input type="checkbox"/> WELD 1202	Structural Shielded Metal Arc Weld. (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 & 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>
		24

NEW COURSES

MATH 1409 Beginning and Intermediate Algebra (5)

A course for students with limited or no training in algebra. Topics to be covered include algebraic operations, polynomials, factoring, systems of equations, quadratic equations, exponents, radicals, graphing, functions, inequalities, and other selected topics. Lecture 4 hours. Lab 2 hours.

MATH 1411 Support For Statistics (2)

This course is intended to provide mathematics instruction for preparation of students enrolled in a general education statistics math course. It provides a general survey of topics to prepare students for success in MATH 1111 – Statistics and is a co-requisite. Topics to be covered include percents, fractions, decimals, exponents, radicals, summation notation, elementary algebraic operations, linear equations, graphing, inequalities, and absolute value. Lecture 1 hour. Lab 2 hours.

MATH 1412 Support For College Algebra (3)

Prerequisite: MATH 1409 with a "C" or better. Students must be enrolled concurrently in MATH 1108 (College Algebra).

This course is intended to assist students in mastering algebraic skills and topics to promote success with College Algebra course objectives. Geometry topics include finding the area and perimeter of a square and rectangle, and the Pythagorean Theorem. Algebra topics include factoring, equations of lines, graphing, functions, quadratic equations, radical and rational equations, systems of equations, and other selected topics. Traditional format only. Lecture 3 hours.

AGAT 1200 Intro To Agricultural Engineering (4)

Students will be introduced to the testing and applying of mechanical, hydraulic, and electrical systems to manipulate variable rate technology in this course. Students will also receive hands on experience utilizing sensors and controllers to perform calculated outcomes for precise application rates. Lecture 3 hours. Lab 2 hours.

AGAT 1201 Ag Tech Software Applications (4)

This course is designed to introduce students to various digital platforms from the agricultural industry in order to make more intelligent farm management decisions. Students will get hands on experience using real agronomic data for better understanding of the digital farm. Lecture 3 hours. Lab 2 hours.

AGAT 1202 Circuits And Digital Logic (4)

This course is designed to integrate computer programming and digital logic with electrical systems for use in practical agricultural applications. Students will be able to view how digital logic impacts agricultural equipment creating autonomous functions. Lecture 3 hours. Lab 2 hours.

AGAT 1203 Autonomous Applications In Ag (4)

Theory and application of autonomous equipment and solutions across all production steps will be covered. Instruction will include experience with equipment capable of performing tasks and making changes autonomously as well as how to maximize the functionality of the equipment. Lecture 3 hours. Lab 2 hours.

IST 1252 Industrial Electrical Systems (2)

This course covers the essential print reading skills needed to safely install and troubleshoot common residential, commercial, and industrial electrical systems. Topics include print reading fundamentals, symbols, print elements, and construction documentation. Electrical prints along with examples will be used to reinforce key concepts. Lecture 2 hours.

IST 1255 Industrial Wiring (3)

This course will cover the function, operation, installation, and construction of electrical wiring and wiring components. Topics will include electrical control systems like PLCs and VFDs, along with protection devices, terminating wires, and making permanent solder connections. Lecture 2 hours. Lab 2 hours.

IST 1295 Electrical Power Distribution (3)

This course is designed to introduce the methods and procedures for wiring the distribution side of an industrial site. Accurate interpretation of the requirements of the NEC will be reinforced throughout the course. The student will gain a thorough understanding of basic electrical principles, a knowledge of the tools and materials used in installations, familiarity with commonly installed equipment and specific wiring requirements, the ability to interpret electrical construction drawings, and a constant awareness of safe wiring practices. Lecture 2 hours. Lab 2 hours.

IST 1210 Forklift Task Training (0.5 - 4)

This course is designed to ensure that all forklift operators, regardless of their degree of experience, have uniform understanding of the safe and efficient operation of forklifts and compliance with the safety rules and OSHA regulations. Topics include load capacity, fork positioning, load positioning and how it relates to load center and center of gravity, speed limit, inspection elements, and common causes of accidents. Lecture 0.5 - 4 hours.

IST 1222 OSHA Certification (0.5 - 4)

This course will cover a variety of health and safety workplace topics. All students who enroll and successfully complete this course will become familiarized with the standards and regulations that OSHA has set in place to make sure all employees function in a safe work environment. Topics will include an introduction to OSHA, emergency exit routes, material handling and more. Lecture 0.5 - 4 hours.

PED 1130 Introduction To Physical Education (3)

This course is designed to give the prospective physical education teacher/coach/ recreation worker the philosophy, objectives, professional preparation, duties and qualifications of the physical educator using lectures, activities and class discussions. Lecture 3 hours.

PED 1133 Concepts Of Physical Fitness (3)

A course designed to provide Physical Education students with the most recent scientific evidence to promote health-related physical fitness by introducing different training programs, their benefits, and means of evaluation. Lecture 2 hours. Lab 2 hours.

PED 1164 Introduction To Coaching (2)

The various aspects of the coaching career will be analyzed, with focus on such topics as how to become a coach, why people coach, how coaches motivate, techniques of coaching, public relations in coaching, and the coach's relationships with other members of the institution and community. Lecture 2 hours.

AGRI 1209 Supervised Occupational Experience (2)

The student will be placed with an agricultural business for full-time job placement. Both the college coordinator and the employer will supervise the learning experiences. The student trainee will receive vocational counseling and individual assistance. Special attention will be given to career planning, on-the-job problems and current business practices. Lab 10 hours.

AUTO 2251 Hybrid and Electric Vehicles II (3)

Prerequisite: AUTO 1232 and AUTO 2213 or Consent of Instructor

This course is an advanced study of automotive electric vehicle service and repair. The course will prepare students for the ASE (Automotive Service Excellence) L3 exam. Students will examine and diagnose computer operation and bus communication. Diagnosis, testing and replacement of high voltage components are covered in detail. Lecture 1 hour. Lab 4 hours.

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 – 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) ___ SOSC 2102 - Inside-Out Prison Exchange (3)
 ___ PSYC 2104 - Personality Dynamics (3) ___ *PSYC 2108 - Abnormal Psychology (3)* ___ SOSC 2103 - Intro to Social Work (3)
 ___ PSYC 2106 - Human Relations (3) ___ SOSC 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 – 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

- | | | |
|---|---|---|
| PHYSICAL SCIENCES (15 hours) | <input type="checkbox"/> PHY 1103 - University Physics I (5) | COMPUTER PROGRAMMING (3 hours) |
| <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).