



CATALOGUE

of

INDIAN RIVER JUNIOR COLLEGE

1961-1962

JULY 1961

1961-1962

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JUNE 30, 1962

JULY 1962

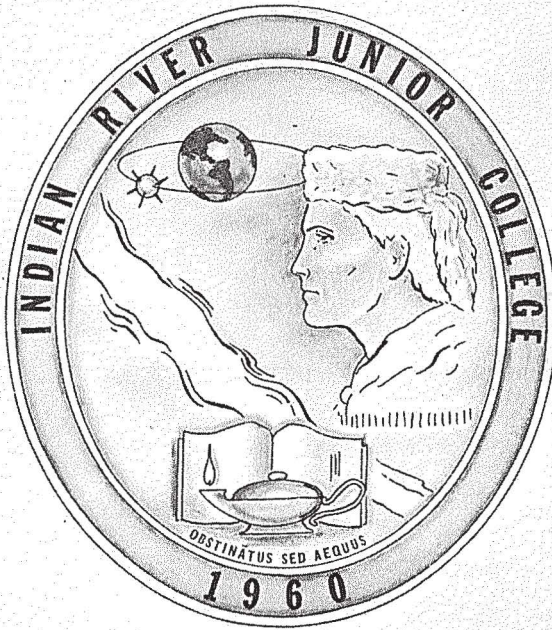
1962 - 1963

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JUNE 30, 1963



FORT PIERCE, FLORIDA

COLLEGE CATALOGUE

1961-1962

*A Community Junior College supported
by the State of Florida and Indian River,
Martin, Okeechobee, and St. Lucie Counties.*

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CALENDAR 1961-1962

- Aug. 21 — Monday — Faculty Meeting — 9:00 A. M.
- Aug. 28 — Monday — Testing of new students.
- Aug. 29-30 — Tues.-Wed. — Orientation of new students.
- Aug. 31 — Thursday — Registration of new students.
- Sept. 1 — Friday — Registration of all college Sophomores.
- Sept. 4 — Monday — Labor Day Holiday
- Sept. 5 — Tues. — First classes for college credit courses. After this date a late registration fee will be charged.
- Sept. 11-15 — Mon.-Fri. — Registration for all non-credit courses. (Adult education)
- Sept. 18 — Mon. — First classes for non-credit courses (Adult education). Last day for fall registration for college credit courses. Last date to change classes.
- Oct. 13 — Fri. — Classes dropped after this date will be recorded as a "WP" or "WF". A grade of "WP" or "WF" will not be used in computing quality point average.
- Nov. 23-24 — Thurs.-Fri. — Thanksgiving Holidays.
- Dec. 5 — Tues. — Classes dropped after this date will be recorded as an "F".
- Dec. 18 — Mon. — Christmas Holidays begin.
- Jan. 2 — Tues. — Classes resume.
- Jan. 22-26 — Mon.-Fri. — Final semester exams. End Fall Semester.
- Jan. 29-30 — Mon.-Tues. — Registration for Spring Semester.
- Jan. 30 — Tues. — Orientation for new students.
- Jan. 31 — Wed. — First classes for college credit courses. After this date a late registration fee will be charged.
- Feb. 5-9 — Mon.-Fri. — Registration for all non-credit courses. (Adult education).
- Feb. 12 — Mon. — First classes for non-credit courses (Adult education). Last day for registration for spring semester. Last day to change classes.
- Mar. 2 — Fri. — Classes dropped after this date will be recorded as a "WP" or "WF".
- Apr. 19 — Thurs. — Classes dropped after this date will be recorded as an "F".
- Apr. 23-27 — Mon.-Fri. — Spring holidays.
- June 5-8 — Tues.-Fri. — Final exams, Spring Semester. End Spring Semester.
- June 10 — Sunday — Baccalaureate.
- June 11 — Monday — Commencement.
- June 15 — Friday — Last day for faculty.
- June 18 — Monday — First day of Summer Session.
- July 31 — Tuesday — Last day of Summer Session.

**THE BOARD OF PUBLIC INSTRUCTION OF
ST. LUCIE COUNTY**

Kirby Hayes, Chairman

John Baker

Rollin W. Tedder

Mrs. Hazel Jordan

Wallace L. Gray

Ben L. Bryan, Superintendent

SUPERINTENDENTS OF PUBLIC INSTRUCTION

Indian River County.....J. A. Thompson
Martin County.....Thomas Crook
Okeechobee County.....Omar Hunt
St. Lucie County.....Ben L. Bryan

COLLEGE ADVISORY BOARD

Charles Miley, Chairman

Mrs. T. R. Chambers

O. D. Honeywell

Robert Fenton

Ira McAlpin

Warren Hafffield

Salter Watford

Hubert Harden

Dr. M. F. Watkins

**ADMINISTRATIVE OFFICERS
OF
INDIAN RIVER JUNIOR COLLEGE**

Maxwell C. King, B.S., M.Ed., Ed.D.....President

Warren A. Land, B.A.E., M.Ed., Ed.D. Dean of Instruction

Joseph J. Feldhaus, A.B., M.A.....Director of Student Personnel Services

Bernard L. Palmer, Jr., A.B., M.Ed.....Director of Adult Education

Charles W. Sample, B.S.....Registrar-Business Manager

THE FACULTY

Maxwell C. King, B.S., M.Ed., Ed.D.	<i>President</i>
Warren A. Land, B.A.E., M.Ed., Ed.D.	<i>Dean of Instruction</i>
Bird, Robert W., B.S., M.S.	<i>Physics and Chemistry</i>
Blakey, Grace T., B.S., M.A.	<i>English</i>
Bridge, John C., B.S., M.Ed.	<i>Business Education</i>
Brown, John K., B.S., M.S.	<i>Social Studies</i>
Brown, Mary C., B.S., M.S.	<i>Mathematics</i>
Bowen, Charles E., B.S., M.S.	<i>Social Studies</i>
Dolozik, Imogene R., A.B., M.A.	<i>English</i>
Garin, Robert H., B.S.P.E., M.P.H.	<i>Physical Education</i>
Graves, Rupert D., B.S., M.S.	<i>Mathematics</i>
Feldhaus, Joseph J., A.B., M.A.	<i>Psychology</i> <i>Director of Student Personnel Services</i>
Hagel, Julius A., A.B., A.B.L.S.	<i>Librarian</i>
Hammet, Hugh B., B.A., M.S.	<i>Mathematics</i>
Harner, Whitman H., B.S., M.S.	<i>Biology</i>
Keller, Helen B., A.B., M.A.	<i>English</i>
Kruse, Joan M., B.A., M.Ed.	<i>Guidance and Psychology</i>
Mathis, Andrew G., A.B., Ph.D.	<i>Philosophy and Psychology</i>
Maxwell, Grace R., A.B., M.S.	<i>Social Studies</i>
Maynard, Betty B., B.S., M.A.	<i>Physical Education</i>
McAnish, John C., B.S., M.S.	<i>Business Administration</i>
Molison, Woodrow J., B.A., M.A.	<i>English</i>
Molnar, Angelita, B.A., M.A.	<i>Spanish</i>
Newber, Max A., A.B., M.S.	<i>Biology</i>
Palmer, Bernard Jr., A.B., M.Ed.	<i>Director of Adult Education</i>
Pfaff, Robert M., B.S., M.A.	<i>Social Studies</i>
Potter, Edwin E., A.B., M.Ed.	<i>Science</i>
Robbins, Arnold H., B.A., M.A.	<i>Social Studies</i>
Robbins, Irene, B.S., M.A.	<i>Art</i>
Rollins, Ernest W., A.B., M.A.	<i>French and German</i>
Sample, Charles W., B.S.	<i>Registrar and Business Manager</i>
Whipple, Laura, B.M., M.M.	<i>Music</i>
Hoskins, Peggy, B.S.H.E.	<i>Secretary to the President</i>
McKendrick, Lorraine	<i>Library Assistant</i>
Moore, Evelyn	<i>Secretary to the Registrar</i>

-:- GENERAL INFORMATION -:-

Indian River Junior College was established by the Florida Legislature during the 1959 session. This legislature provides for the joint support of the college by the State of Florida and the counties of Indian River, Martin, Okeechobee and St. Lucie. As the college is physically located in Fort Pierce, it is responsible to the St. Lucie County Board of Public Instruction. An Advisory Committee composed of prominent men and women from the four counties serve in an advisory capacity to the president and the school board on policy matters concerning the college.

Dr. Maxwell C. King was appointed President of the College on January 1, 1960. Planning was immediately initiated to prepare for the opening of the college in September. During the first year of operation a total of 10 full-time and 8 part-time faculty were employed to instruct the 156 full-time and 192 part-time students. It is anticipated that a faculty of 30 teachers will be available for the 500 students expected for enrollment in September, 1961.

Classes during the first two years will be held in temporary facilities located on Preston Court in Fort Pierce. In addition the library and science facilities that are available in nearby Dan McCarty High School will also be used. The 1961 Legislature has appropriated \$416,000 for the construction of a new college campus on a 55-acre tract of land already owned by the college and located between 29th and 35th Street on Virginia Avenue in Fort Pierce.

OBJECTIVES OF THE COLLEGE

Education beyond the high school level has assumed an increasingly important role in modern society. Realizing this demand the Indian River Junior College has the following general objectives:

1. To provide programs that will fit the students for employment in industry and business in this area.
2. To provide two years of college work acceptable for transfer to a four-year college or university.
3. To provide suitable courses for adult students who wish to further their education, to improve their personal or business efficiency, or to enrich their cultural lives.
4. To serve as a center to foster cultural development in the college community.

GENERAL EDUCATION PROGRAM

PHILOSOPHY AND GOALS

Projecting the aims of the Indian River Junior College beyond the fundamental as well as more specialized preparation attained at the secondary level and recognizing that the primary aims of the community college program is the implementing of the college parallel program, the terminal education program, and the adult cultural program, inclusive of any contribution that may be made to the culture of the community, Indian River Junior College defines General Education in the following terms.

General education is that combination of subjects and activities at the freshman and sophomore levels of college that are considered essential for eventual maximum effective participation of a citizen in his community regardless of his role in the community. Further, while providing these needed common understandings, skills, and competence, this program will also serve as a foundation for the pursuit of a program of a terminal nature or an academic program at the senior college level. To that end a course of study should include appropriate academic subjects duly supported by certain associated and supplementary subjects whereby the student achieves citizenship equipped not only with a vocation but with a better understanding of himself and a higher regard for others. One important and specific way to vitalize this philosophy is to guarantee teaching of the highest caliber in the broadest and finest sense of the term, coordinated with an inter-relation between and a correlation of educational endeavors, all directed toward the more complete development of the whole person in the democratic society. Implicit in this philosophy is the recognition that General Education is here defined only in terms of what we can do to assist the individual to an initial and expanding achievement of his fullest potential. Therefore, in accordance with this philosophy and these understandings, the general education program of the Indian River Junior College not only provides an opportunity for each student to increase his competence and skills but it provides maximum opportunity for him to cultivate a democratic viewpoint, to obtain a belief in the dignity and worth of man, and to arrive at an ability to formulate goals and values for life.

OBJECTIVES OF GENERAL EDUCATION

Cultural Heritage — The contributions of mankind in all areas of human endeavor toward assisting the student in terms of the past to comprehend his contemporary position in building the future.

Citizenship — The role of individual participation in group activities and an understanding of rights and responsibilities of an individual or group operating on the family, community, state, national, or international levels.

Communications — The methods of most effective communication through reading, writing, speaking and listening.

Critical Thinking — The methods of the critical evaluation of information through the use of a scientific method in the solution of problems and in discriminating among values, including the study of theory and abstract thinking which will be pursued in order to examine the “how” and “why” in addition to the “is” or “was” of man’s developments.

Creativity — The participation in a creative activity and an acquaintance with and appreciation of creativity in others with a special emphasis on creative thinking.

Physical Development — The understanding of the importance of health for the individual and his community with special emphasis on those individual and group recreational activities which presently, and will in the future, contribute to the individuals’ physical well being through the wise use of leisure time.

Guidance — The providing of opportunities through counseling the student, individually and collectively, to a better comprehension of himself, his abilities, his needs and desires, so that he will be able to attain realistic and worthwhile goals in the areas of personal, educational, and vocational development.

Moral and Spiritual Values — The examination of the moral, spiritual, and ethical values of self and others in developing a sound personal set of values that recognizes the worth, dignity, and uniqueness of an individual.

Environment — The understanding of man’s relationship to his physical and biological world and the necessary adjustments and insights toward improving it.

ACCREDITATION

All new institutions of higher learning must be accredited before they are eligible to become full members of their regional associations of colleges and universities. Accreditation is the process of examination by a committee of the regional association to determine whether or not the institution meets the standards established for membership

y the association. In effect, it is an effort through voluntary association of existing institutions to recognize good quality of work, to seek to raise the standards of weak institutions to minimum level for accreditation, and to prevent inadequate institutions from offering work they are not qualified to offer by refusing or withdrawing accreditation.

A new junior college cannot be accredited until after it has been in operation for five years. The Indian River Junior College must, like all other new institutions, begin on an unaccredited basis. This need be of little concern to students of the college, however, for with the resources of the State and the four participating counties behind the institution, it will meet the required standards rapidly and will request accreditation at the earliest possible date.

In theory, any accredited institution has the right to require an examination of, or to accept on probationary status, any student seeking to transfer to it from an unaccredited institution. In practice, this rarely happens in a situation like this where a new institution begins with adequate financial support and clearly indicates from the beginning its ability to more than meet the required minimum standards for accreditation.

The Indian River Junior College is part of the Florida state system of junior college education and special arrangements have been made for the transfer of all credits (grade "C" or better) to 4-year colleges and universities.

FACILITIES

ADMINISTRATION BUILDING

The Administration Offices are located in building T-1 at 310 Preston Court.

CLASSROOMS

The classrooms are divided into two groups. The Sciences (Biology, Chemistry and the Physics Labs) and the Typing classes are located in nearby Dan McCarty High School. All other classrooms are located in the temporary buildings on the corner of Boston Avenue and Preston Court.

LIBRARY

The library is temporarily located at Dan McCarty High School.

TRANSPORTATION

Each County Board of Public Instruction is responsible for providing public transportation to the college from a central location in Martin, Okeechobee, and Indian River Counties. Rural student from St. Lucie County may use the existing public school transportation system. Parking facilities for private vehicles are available near the college on Boston Avenue.

MEDICAL FACILITIES

No medical or hospital facilities are provided by the college. First aid equipment will be kept in the science and physical education departments.

INSURANCE

Student accident insurance is available in the office of the Business Manager. Cost of this insurance is \$2.25 for coverage during school hours or \$10 for full-time coverage. All students participating in contact sports are required to have this insurance. All students are encouraged to participate in this low cost insurance plan.

BOOKSTORE

The Bookstore is located in the north end of building T-1 (Administration Bldg.). All required books, both new and used, may be purchased here as well as the basic school supplies. The costs of books vary with the courses of instruction; however, a conservative estimate for new books would be from \$30 to \$60 per semester. Price of used books will depend on the condition and age of books.

ADMISSIONS

Procedure — Full-time students (one who is taking 12 credit hours or more) entering college for the first time or students transferring from another college or university must obtain, complete, and return to the Registrar the following:

1. Application for admission with \$10 application fee.
2. Transcript of high school or college record.
3. Health Certificate.
4. Application for pupil assignment.

ADMISSIONS POLICY

- i. **New students (entering college for the first time):**
 - a. Accredited high school graduates will be admitted, as a general rule, by presenting a high school transcript of successful graduation.
 - b. Non-accredited high school graduates who have scored 200 or better on their Florida Senior Exams will be admitted. Students who score less than 200 and students who do not have these test scores will be admitted **on probation**. Probationary admission will be lifted at the end of the first semester or on the accumulation of 12 semester hours or more, provided the student has a 1.6 overall grade point average. Students who make less than 1.6 grade point average will be suspended for one semester.
- ii. **Transfer students: (Regular session)**
 - a. Students transferring from an accredited college who are in good standing at their institution, and are eligible to re-enter their former institution will be admitted. All grades of "C" or above are considered for transfer.
 - b. Students entering from a non-accredited college or a student who is on probation from any college may be admitted on probation and required to obtain a 1.6 grade point average for all work attempted their first 12 hours or semester in order to continue into the next semester.
 - c. Students from an accredited or non-accredited college who are on academic suspension from their college will not be considered for admission during their term of suspension except when the student has satisfied one semester or quarter of the suspension period.
- iii. **Transfer students: (Summer Sessions — Students who desire to attend Indian River Junior College for the summer session only.)**
 - a. Students from an accredited college and in good standing may be admitted upon presentation of a certificate or statement of good standing from their institution.
 - b. Students from an accredited or non-accredited college who are on probation will remain on probation during the summer session. A 1.6 average attained in 12 semester hours of work will be required to eliminate this probation if the student decides to remain at Indian River Junior College.
 - c. Students from an accredited or non-accredited college who are on academic suspension from their college will not be admitted

to the summer session except when the student has satisfied one semester or quarter of the suspension period.

4. **All students who are on suspension** from Indian River Junior College or any other college may appeal to the Admissions Committee for entry or re-entry to Indian River Junior College.

The Registrar will notify the student of his acceptance upon receipt and completion of the proper forms. All forms must be completed before registration is complete.

Procedure for admittance as a part-time student is the same as for a full-time student.

Students may be admitted as an "audit" (non-credit) student without any specific educational requirements to many of the college credit courses. Students eligible to enroll as credit students are encouraged not to audit a course. Audit students are required to participate in classroom discussions, requirements, tests and attendance the same as other students.

Students transferring from a college or university must furnish a statement of honorable dismissal and an official transcription of their work. Only grades of "C" or higher will be considered for transfer.

VETERANS' EDUCATION

Indian River Junior College has been approved by the State Department of Education for the training of veterans. Since considerable time is involved in the processing of applications by the Veterans Administration, it is suggested that students who intend to use the G. I. Bill consult with the Registrar well in advance of the registration date.

STUDENT PERSONNEL SERVICES

TESTING

A series of tests is given to each freshman prior to his enrollment in the college. The results of these tests are used during pre-registration counseling as a basis for placing a student in appropriate classes according to his ability and individual needs. Special aptitude tests are available upon request in the Guidance Department.

SCHOLARSHIP AND STUDENT AID

Students who have financial need may apply to the Director of Student Personnel Services of the college or to their local high school.

guidance departments for the several scholarships made available by civic organizations, individual donors, and service clubs.

A limited number of opportunities for student work exist on campus. Deserving and industrious students are placed in administrative offices, laboratories, and various departments of the college. Application for student-aid work should be made through the Office of Student Personnel Services. Generally, scholarships and grants-in-aid are awarded on the basis of both scholarship and need.

GUIDANCE AND COUNSELING

Every effort is made to provide adequate guidance and counseling services to students.

Each student is assigned a faculty member who serves that student as a counselor or adviser during his enrollment in the college. The faculty adviser assists the student with selecting a particular program of studies which will help him attain maximum growth according to his particular academic needs.

The college provides a staff of professional counselors who work with individual students concerned with problems of a personal, vocational, or academic nature. This individual service complements the work of the faculty adviser.

ORIENTATION

New students are required to attend a period of orientation which is held before the beginning of each semester. The purpose of the program is to acquaint the student with the administrative personnel, department heads, and student leaders and to learn the policies and standards of the college. Informal social activities with fellow students and faculty members are included in the program of orientation.

During the first semester of attendance all freshmen are required to meet scheduled orientation classes for two hours each week — a requirement for graduation.

SOCIAL ACTIVITIES

The social development of the student is enhanced by a series of formal and informal events scheduled throughout the school term — dances, concerts, picnics, etc. Several social, religious, departmental, and service clubs have been established on campus. Each student is encouraged to join and participate in club activities.

STUDENT PUBLICATIONS AND ACTIVITIES

Student Council: The Student Council is composed of elected officers and representatives from the entire student body. These officers are elected only from full-time students. The Council has two appointed advisors from the faculty. The function of the Council is to plan social activities, to present helpful student suggestions to the Administration, and to act in an advisory capacity to the student body.

Publications: The college yearbook "SIMOC" is published each year under the supervision of the student publication board.

A college newspaper will be published periodically by the students under the direction of the student publication board. As the official student newspaper, it supplies information of college activities and provides experience in journalism for the newspaper staff. Staff members will be selected by the student publication board; however, any student may submit appropriate material for publication.

Glee Club: The Glee Club is a combined activity course for which one semester hour credit is given. The Glee Club will take part in assembly programs and will make public appearances deemed appropriate by the sponsor.

ROOM AND BOARD

The college has no dormitory or other student rooming facilities. Such facilities, if desired, are available in the community on an individual basis. The college, however, assumes no off-campus responsibilities for boarding students.

No cafeteria facilities are available at the college. Lunches may be obtained at nearby Dan McCarty High School.

INTRAMURAL SPORTS AND RECREATION

The purpose of Intramural Sports and Recreation is to provide an opportunity for every student to take part in some kind of worthwhile recreational sport or activity.

The success of our Intramural program primarily depends upon student participation in the various fields of recreational and athletic endeavor, and secondly upon student participation in the planning, administration, and execution of the program. We hope each student will take full advantage of the opportunities provided in this program in order to develop and maintain himself as a truly well-rounded student.

INTERCOLLEGIATE ATHLETICS

Indian River Junior College expects to participate in all intercollegiate athletics as enrollment, facilities, and financial support will permit. At present, competitive sports are offered as a part of the Intramural program.

STUDENT AND SCHOLASTIC REGULATIONS

REGISTRATION

Students will be required to register at the beginning of each semester or session for assignment to classes. Those entering college for the first time will be required to report for pre-registration, orientation, testing, and counseling on dates to be published. Any student whose registration is completed after the date specified will be charged a late registration fee of \$5.00.

ATTENDANCE

A student is expected to attend all of his scheduled college classes and not absent himself without adequate reason. Absence from two or more classes, such as laboratory, will be counted as two absences. Excessive absences may subject a student to an increase in the number of quality points required for graduation. An absence on the day before or after a holiday will count as a double absence. Any student reported for continued excessive absences in any one class or several classes may be placed on compulsory class attendance, or be required to drop the course, or courses, with a grade of "F".

A student absent from all classes for as many as 14 consecutive days may be readmitted only by permission of the dean, and with a reduced load, the amount to be determined by the dean.

DISCIPLINE

Students are expected to display, at all times, the qualities of courtesy and integrity that characterize the behavior of ladies and gentlemen. The college does not permit the use of, or possession of alcohol on the campus or at college sponsored functions.

It is also expected that all students will be governed by such rules and regulations as may be set up through the student government and approved by appropriate staff authority. Violation of approved rules and regulations may subject the student to disciplinary measures — possible dismissal from college. The decision of the President is final in all cases involving violation of rules of discipline.

SOLICITATION OF FUNDS

The solicitation of funds for any purpose is prohibited except upon the approval of the President.

GRADING SYSTEM

The following system of grading is used:

- A Excellent — 4 quality points per credit hour.
- B Good — 3 quality points per credit hour.
- C Average — 2 quality points per credit hour.
- D Poor, but passing — 1 quality point per credit hour.
- F Failure — No quality points.
- I Incomplete — Work must be completed by end of next semester.
- WP Withdrew passing after official deadline.
- WF Withdrew failing after official deadline.
- AU Student enrolled only as an auditor; no grade or credit is given.

A student's quality points must be at least double the number of semester hours of credit pursued to be eligible for an Associate in Arts diploma. A student must maintain a scholastic average of "C" or better in order to graduate. Physical Education grades will not be used to compute quality point averages.

ACADEMIC PROBATION

Students failing to achieve a 1.6 quality point average during any semester will be placed on academic probation the following semester. Students failing to achieve a 1.6 quality point average during the probationary semester will be subject to academic suspension. The privilege of appeal to the Admissions Committee for a second probationary semester is provided for the student. Student on academic probation may not register for more than 12 semester hours during the probationary period.

ACADEMIC SUSPENSION

Full-time students failing to pass at least fifty percent of the semester hours pursued during any semester or session are subject to academic suspension for one semester. When such students re-enter, they are on probation for such period as the Admissions Committee deems appropriate.

FINAL EXAMINATIONS AND TESTS

The instructor may give tests and quizzes, oral or written, at his discretion. Regularly scheduled announced examinations will be given at the end of each semester or session. Special examinations or re-examinations will be given only with the approval of the examination committee.

CHANGING CLASS SCHEDULES

Students may change classes or drop courses only with the permission of the Registrar. The college calendar lists the last date for making changes. A fee will be charged for each course that is dropped after the published drop date.

REQUIREMENTS FOR GRADUATION

Indian River Junior College grants the Associate in Arts diploma only to those students who have maintained a scholastic average of "C" (2.00) or better and have successfully completed a total of not less than 64 semester hours of college work, the last 15 semester hours being taken in residence at Indian River Junior College. The semester hours offered for graduation must include those listed elsewhere in the catalogue as one of the prescribed curricula. The following General Education requirements must, in general, be completed in all programs including the Associate in Arts and the specialized terminal-technical programs. Exceptions to the completion of these courses are listed in the prescribed curricula.

English	6 semester hours
Mathematics	3 semester hours
Social Science*	9 semester hours
Science**	8 semester hours
Essential Psychology	2 semester hours
Humanities***	8 semester hours
Physical Education****	4 semester hours

*The Social Science requirement shall be met in one of the following ways: Option I — History of Western Civilization — 6 semester hours, Introduction to the Social Sciences — 3 semester hours. Option II — History of Western Civilization — 6 semester hours; a three-hour course from two of the following areas: American History, Political Science, Economics, Geography, and Sociology — total hours for Option II — 12 semester hours.

**The Science requirement shall be met by at least 4 hours of Biological Science and 4 hours of a Physical Science or 8 hours of either Physical-Biological Science or Biological-Physical Science.

***The Humanities requirements shall be met through the completion of a two-hour course in each of the following areas: Hs 201 (Art)—2 semester hours, Hs 202 (Literature)—2 semester hours, Hs 203 (Music)—2 semester hours, and Hs 204 (Philosophy)—2 semester hours.

****Two years of physical education must be completed by all students except those who have reached their twenty-fifth birthday veterans with more than six months active duty, and those persons enrolled in the evening college program on a part-time basis. Students under the above classifications are encouraged to enroll in Physical Education classes on a voluntary basis. Other students who cannot participate in the regular Physical Education classes will present a medical certificate to this effect and will be required to enroll and participate in special Physical Education classes. Students who do not take physical education are required to make up the credit in other subject areas. Students are required to take Pe 101 (Fitness Through Physical Activity) their first semester in attendance. "Survival Swimming", which is offered as a one-half semester course, is required and may be completed during the last three semesters in attendance.

DEAN'S LIST

The Dean's List is posted at the end of each semester. All regular students who have made an academic average of 3.0 or better and are carrying 12 or more semester hours will be placed on the Dean's List.

GENERAL FEES

- (a) Application fee \$10.00

This application fee is required at the time the application is submitted to the Registrar. It is not refundable but will be credited to the student's fees at the time of registration.

- (b) District Day Students — Those students living within the four-county area of St. Lucie, Indian River, Okeechobee and Martin Counties.

	First Semester	Second Semester
Registration fee	\$55.00	\$55.00
Student activity fee	10.00	10.00
Total fees:	\$65.00	\$65.00

- c) Non-District Day Students — Those students who are residents of Florida but not residing in the four-county area.

	First Semester	Second Semester
Registration fee	\$55.00	\$55.00
Student activity fee	10.00	10.00
Out-of-District fee	20.00	20.00
Total fees:	\$85.00	\$85.00

- d) Out-of-State Students — Those students who do not meet the state requirements for legal residence in Florida.

	First Semester	Second Semester
Registration fee	\$55.00	\$55.00
Student activity fee	10.00	10.00
Out-of-State fees	50.00	50.00
Total fees:	\$115.00	\$115.00

- e) Special Fees

Part-time students, application fee	\$5.00
Per semester hour	\$5.00
Late registration fee	\$5.00
Transcript fee (first one given free)	\$1.00
Laboratory fees	\$3.50
Course withdrawal fee	\$1.00
Graduation fee	\$12.00

The cap, gown, and diploma fee is payable at the beginning of the last semester prior to graduation.

REFUNDS

Students who withdraw within the first five class days of the semester, not including days set aside solely for registration, will be reimbursed fifty percent of the registration fee. No other fees will be reimbursed.

STUDENT ACTIVITY FEE

The student activity fee, paid by each regular student, is administered by the Executive Council of the Student Government and is used to defray expenses connected with the following activities: college paper, college yearbook, Great Artists series, intramural activities, and such social activities as may be sponsored by the college.

The payment of this fee entitles the student to an activity card by which he is admitted free to any games, programs, and social activities sponsored by the college.

STUDENT LOAD

- (a) The minimum load for a full-time student is 12 semester hours per semester. Veterans, in order to qualify for full-time GI status must register for 14 or more semester hours.
- (b) The normal load for a Freshman student is 17 or 18 semester hours. With special approval and written permission, the Dean may approve a student registering for more than 18 semester hours.

A student who does not earn twice as many quality points as the number of hours for which he is registered in any semester or summer session may not register for more than 15 semester hours in the following semester. Regular audit courses will be considered as part of a student's total load.

CLASSIFICATION OF STUDENTS

Freshman — Any student enrolled in college credit courses who has completed less than 24 semester hours of college work at the time of registration and is working toward an Associate in Arts degree

Sophomore — Any student enrolled in college credit courses who has completed 24 semester hours but not more than 64 semester hours of college work at the time of registration and is working for an Associate in Arts degree.

Unclassified Student — Any student enrolled in college credit courses but not classified as either a freshman or sophomore. Students are unclassified who are not themselves candidates for degrees, but who are taking degree credit courses in regular classes. Audit students (one who does not meet entrance requirements and who will not receive credit for the course) will be classified in this category.

Full-time Student — Any student enrolled for 12 semester hours or more.

Part-time Student — Any student enrolled for less than 12 semester hours.

COLLEGE PARALLEL

COURSE GUIDES

The following pages outline certain course guides for students who are planning to transfer to another college or university and pursue a special course requiring four or more years of college work. All electives must be approved by faculty counselor. Elective should be taken in terms of student interest and educational objectives.

Two years of a foreign language is strongly recommended for all students.

GENERAL COURSE

For students who do not have a definite educational objective, or who do not have definite plans for transferring to another college or university for the third and fourth year, a two year program must be formulated with the approval of faculty counselor and the Dean. Program changes must be recommended by faculty counselor and approved by the Dean.

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
BioSc. 111 or PhySci. 101	4	BioSc. 112 or PhySci. 102	4
History of Western Civilization 101	3	History of Western Civilization 102	3
Physical Education 101	1	Physical Education 102	1
Essential Psychology 101	2	Social Science 111 (or Soc. Sci. elec.)	3
Mathematics	3	Elective	0-3
	<hr/> 16		<hr/> 14-17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Physical Education 201	1	Physical Education 202	1
English Course (or Elec.)	3	English Course (or Elec.)	3
Elective	6-10	Elective	6-10
	<hr/> 14-18		<hr/> 14-18

LIBERAL ARTS

For students who do not have a definite educational objective, but have definite plans for transferring to a liberal arts college or university for the third and fourth year.

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
BioSc. 111 or PhySci. 101	4	BioSc. 112 or PhySci. 102	4
History of Western Civilization 101	3	History of Western Civilization 102	3
Physical Education 101	1	Physical Education 102	1
Essential Psychology 101	2	Social Science 111 (or Soc. Sci. elec.)	3
Mathematics	3	Foreign Language	3
Foreign Language	3		
	19		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Science Course	4	Science Course	4
Physical Education 201	1	Physical Education 202	1
English Course (or Elec.)	3	English Course (or Elec.)	3
Foreign Language	3	Foreign Language	3
Mathematics	3	Mathematics	3
	18		18

PRE-AGRICULTURE

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
*BioSci. 235	4	*BioSci. 236	4
History of Western Civilization 101	3	Math Course	3
Physical Education 101	1	History of Western Civilization 102	3
Essential Psychology	2	Physical Education 102	1
Agriculture 201	3	Agriculture 202	3
Elective	1		
	17		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
BioSci. 225	4	BioSci. 226	4
SocSci. 111 (or SocSci. elec.)	3	Chemistry 102	4
Chemistry 101	4	Humanities 203-204	4
Humanities 201-202	4	Physical Education 202	1
Physical Education 201	1	Agriculture 204	3
Agriculture 203	3	Elective (Math. or Science)	3-4
	19		19-20

* Students scoring unsatisfactorily on science placement tests should substitute BioSc. 111 and 112.

PRE-BUSINESS ADMINISTRATION

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
BioPhy Sci. 111 or PhyBioSci. 101	4	BioPhySci. 112 or PhyBioSci. 102	4
Mathematics	3	Business 121 (Introd.)	3
History of Western Civiliza- tion 101	3	History of Western Civiliza- tion 102	3
Physical Education 101	1	Physical Education 102	1
Essential Psychology 101	2	SocSci. 111 (or SocSci.. Elec.)	3
Elective	0-3		
	16-19		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Bus 231 (Economics)	3	Business 202 (Accounting)	3
Business 201 (Accounting)	3	Mathematics 120 (Statistics)	3
Typing (or Elec.)	3	Physical Education 202	1
Physical Education 201	1	English 220 (Speech)	3
Elective	0-3	Bus 232 (Economics)	3
	14-17		17

PRE-EDUCATION

Programs will be planned with faculty counselor in terms of proposed teaching areas.

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
BioPhy Sci. 111 or PhyBioSci. 101	4	BioPhySci. 112 or PhyBioSci. 102	4
History of Western Civiliza- tion 101	3	History of Western Civiliza- tion 102	3
Mathematics	3	SocSci. 111 (or SocSci. elec.)	3
Essential Psychology 101	2	Physical Education 102	1
Physical Education 101	1	Elective	3
Elective	0-3		
	<hr style="width: 50%; margin: 0 auto;"/> 16-19		<hr style="width: 50%; margin: 0 auto;"/> 17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Psychology 201	3	Education 180 (Introd.)	3
English 220 (Speech)	3	Psychology 205	3
Physical Education 201	1	Physical Education 202	1
Elective	4-7	Elective	4-7
	<hr style="width: 50%; margin: 0 auto;"/> 15-18		<hr style="width: 50%; margin: 0 auto;"/> 15-18

PRE-ENGINEERING

The program listed below is suggested for students who wish to take two years of Engineering in the Junior College with the intention of completing their work for a degree in an engineering college. As indicated by the notations below, the semester in which several of the courses may be taken is subject to modification to suit student need. Because Colleges of Engineering differ somewhat in their required subjects during the first two years certain modifications in the Junior College program may be made, subject to recommendations suggested by the institution to which the student wishes to transfer.

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
Mathematics 106	3	†Mathematics 205	5
*Mathematics 107	3	Chemistry 102	4
*Mathematics 109	1	History 102	3
Chemistry 101	4	BioSci. 111 or BioSci. 112	4
History 101	3	Physical Education 102	1
Psychology 101	2		
Physical Education 101	1		
	20		20

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
**Mathematics 206	5	††Mathematics 207	5
Physics 201	4	Physics 202	4
Engineering Drawing 101	3	Descriptive Geometry 250	3
**Social Science 111	3	Physical Education 202	1
Physical Education 201	1	Elective	0-3
	20		17-20

- * Student placing unsatisfactorily on Math Placement test should substitute Social Science 111.
- † Above described student takes MS 107, MS 109 in place of MS 205.
- ** Above described student takes MS 205 in place of MS 206 and Soc. Sci. 111.
- †† Above described student takes MS 206 in place of MS 207.

PRE-MEDICAL

All students planning to study Medicine, Dentistry, Pharmacy, Nursing or Veterinary Medicine should consult the Dean concerning a planned program. The amount of work to be completed at Indian River Junior College and the time spent here prior to transfer will vary with individual students and their plans.

PRE-MINISTERIAL

Students planning to become ministers should consult the Dean concerning a course of study to follow. In general, these students should follow the General College or Liberal Arts Course and take elective subjects in History, Sociology, English, Philosophy, or Psychology. However, a program will vary considerably for individual students and their plans for the future.

TERMINAL PROGRAMS

Course Guides

BUSINESS OR COMMERCIAL

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
History of Western Civilization 101	3	History of Western Civilization 102	3
Essential Psychology 101	2	Social Science 111 (or Soc. Sci. Elec.)	3
Business (Typing) 101	3	Business 121 (Introd.)	3
Mathematics 105	3	Mathematics 120	3
Physical Education 101	1	Physical Education 102	1
Business 221 (Law)	3	Business 231 (Economics)	3
	18		19

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Bus 232 (Economics)	3	Business 202 (Accounting)	3
English 220 (Speech)	3	Business 241 (Sales)	3
Science Course	4	Business 252 (Inc. Tax)	3
Business 201 (Accounting)	3	Science Course	4
Physical Education 201	1	Physical Education 202	1
	18		18

SECRETARIAL SCIENCE

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 220 (Speech)	3
Bus. 101 or 102 (Typing)	3	English 102	3
Business 111 or 112	3	History of Western Civilization 102	3
History of Western Civilization 101	3	Physical Education 102	1
Physical Education 101	1	Mathematics	3
Essential Psychology 101	2	Business 121 (Introd. to Bus.)	3
Economics 231	3		16
	18		

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Business 202 (Accounting)	3
Social Science Elective	3	Humanities 203-204	4
Business 201 (Accounting)	3	Physical Education 202	1
Physical Education 201	1	Business 221 (Law)	3
Science (or elective)	3-4	Science (or elective)	3-4
Business 221 (Dict. & Trans.)	3	Business 250 (Office Practice)	3
	<u>17-18</u>		<u>17-18</u>

COURSES OF STUDY

AGRICULTURE

AG 201. Principles of Agricultural Economics. 3 credits.

An introduction to the field of agricultural economics; principles of economics as applied to agriculture; economic problems of the agricultural industry, related industries, and the individual farmer.

AG 202. Introduction to General Animal Husbandry. 3 credits.

Types and breeds of farm animals, market classification, selection and management. The primary aim of this course is to introduce to the student the basic facts concerning farm animals.

AG 203. Introduction to Dairy Science. 3 credits.

A study of the development of dairy science; breeding, selection, feeding, and management of dairy cattle; sanitary milk production; composition, properties, processing, and analyzing dairy products.

AG 204. Introduction to Principles of Vegetable Production. 3 credits.

Principles and practices which serve as basis for further work in vegetable production. This is an introductory course designed to acquaint the student with fundamentals in vegetable production.

ART

Art 101. Introduction to Art. 3 credits.

Introduction to the basic elements of art — line, color, form, space, and texture. Development of visual expression. Emphasis on two dimensional design.

Art 102. Introduction to Art. 3 credits.

Continuation of Art 101 with some study of figure, still-life and landscape drawing. Prerequisite: Art 101.

Art 103. Beginning Design. 3 credits.

Drawing as a means of formal organization. Study of still-life, figure, and landscape. Prerequisite: Consent of instructor.

Art 104. Beginning Drawing and Painting. 3 credits.

Continuation of Art 103 with emphasis on spatial description through perspective. Prerequisite: Consent of instructor.

BUSINESS

Bus. 101. Elementary Typewriting. 3 credits. (5 hours)

This course is planned particularly for the secretarial student or for the student who wishes to use typing for vocational reasons. Emphasis will be placed on increasing speed and accuracy in all typewriting work.

Bus. 102. Advanced Typewriting. 3 credits. (5 hours)

A continuation of Bus. 101 with emphasis upon continuation of basic skill in basic letter writing, manuscript writing and tabulations. Legal typing, stencils, and ditto duplicating is emphasized.

Bus. 111. Introductory Shorthand. 3 credits.

An introduction to shorthand. The Gregg Shorthand system is used. Primarily concerned with theory.

Bus. 112. Intermediate Shorthand. 3 credits.

A course designed to develop more fully the fundamentals of shorthand included in Bus. 111. Students completing this course should have the ability to take sustained dictation from unfamiliar material at the rate of 80 words per minute for 5 minutes.

Bus. 121. Introduction to Business. 3 credits.

A survey course designed to acquaint the student with the nature of the private enterprise system and its relationship to economic organization. The tools used in recording, appraising, organizing, and controlling business operations are noted. The three major functions of business — finance, production and marketing — are surveyed.

Bus. 201. Principles of Accounting. 3 credits

An introductory course designed to provide basic preparation in business practices and accounting. A study of the assumptions underlying accounting and the material necessary for recording and reporting transactions; preparation and interpretation of financial and operating statements; payrolls; taxes; voucher systems.

Bus. 202. Principles of Accounting. 3 credits.

A continuation of Bus. 201. Deals mainly with partnerships, corporations, branches, and cost accounting, statement analysis and interpretation. Prerequisite: Bus. 201.

Bus. 211. Dictation and Transcription. 3 credits.

This course is designed to give the student the ability to transcribe his shorthand notes more accurately and rapidly. Further emphasis is placed on improving the ability to record dictated shorthand.

Bus. 221. Business Law. 3 credits.

A study of business law as related to contracts, sales, mortgages, insurance, property, partnerships, corporations, bankruptcy, taxes, torts, and business crimes.

Bus. 231. Principles of Economics. 3 credits.

A study of the nature and scope of the economic problems and principles. The objective of the course is to provide an understanding of the basic economic concepts. It includes such concepts as income and growth, financial, nature of economics, financial organization of society, money and banking, and financial cycles.

Bus. 232. Principles of Economics. 3 credits.

Continuation of Bus. 231 with emphasis on price determination, distribution of income, production, and comparative economic systems.

Bus. 241. Salesmanship. 3 credits.

A study of the fundamentals of selling with emphasis upon personal salesmanship and the psychology of sales situations.

Bus. 250. Office Practice. 3 credits.

The principles of filing, mailing, and other office practices are emphasized. Introduction is given to basic office machines and their usage. Prerequisite: Bus. 102 and Bus. 112.

Bus. 252. Income Tax Procedure. 3 credits.

A general course and the study of the income tax laws and regulations. Emphasis is given to the determination and taxation for individuals, partnerships, and corporations.

EDUCATION

Ed. 180 Introduction to Education. 3 credits.

A study of the fundamental principles of education, historical view, curriculum, aims and methods of teaching. Special emphasis is given to the Florida school program.

ENGINEERING

EgSci. 101. Engineering Drawing. 3 credits (5 hours)

A basic introductory course designed to teach students how to make and read engineering drawings. The use of drawing instruments, lettering, and dimensioning will be covered.

EgSci. 250. Descriptive Drawing. 3 credits. (5 hours)

Graphical representation of basic geometrical elements and the solution of related problems. Prerequisite: EgSci. 101.

ENGLISH

Eh. 100. Developmental Reading. (No credit) 3 hours per week.

Development of reading skills, vocabulary, comprehension and speed. Important course in drill and practice, enrollment determined by testing scores, a complement to performance in English 101.

Eh. 101-x. Communications. 3 credits. 5 hours per week.

A course parallel to English 101. To this material is added a review of fundamentals of English for those students whose testing scores indicate a need.

Eh. 101. Communications. 3 credits.

The analysis and writing of short units of composition efficiently and effectively, with an emphasis on methods, relevancy, and adequacy of organization and development, and more especially the relationship of content to form. Some attention to speaking and listening.

Eh. 102. Communications. 3 credits.

Guided analysis of humanistic ideas in selected literary works and the training of effective writing abilities through the integrated application of the principles of structure, development, and thought in fully expanded units of purposive composition. Some attention to speaking and listening. Prerequisite: Eh. 101-x or Eh. 101.

Eh. 201. World Literature. 3 credits.

Academic survey of significant authors and their works from Homer to Shakespeare with emphasis on literary trends, forms, and appreciation.

Eh. 202. World Literature. 3 credits.

Academic survey of significant authors and their works from Shakespeare through the 19th Century with emphasis on literary trends, forms, and appreciation.

Eh. 215. English Literature. 3 credits.

Introduction to English literature, based upon selected masterpieces from Beowulf to the Renaissance.

Eh. 216. English Literature. 3 credits.

Continuation of English 215, from the Renaissance to the present, with a special emphasis on the literature of the 19th century.

Eh. 220. Fundamentals of Speaking. 3 credits.

Study and practice of the basic elements of oral communication including voice, articulation, pronunciation, bodily action, and effective listening; training in public speaking, oral reading, group discussion, and conference leadership.

Eh. 222. Creative Writing. 3 credits.

Practice and guidance for students interested in the creative fields of writing, with special emphasis on the short story and poetry; conferences, group analysis of student writing. Prerequisite: Permission from instructor.

Eh. 224. American Literature to 1865. 3 credits.

Introduction to American literature through American verse and prose, reflecting the motivating ideas in the American scene; attention to literary forms and the development of appreciation.

Eh. 225. American Literature After 1865. 3 credits.

Continuation of English 224 through American verse and prose from 1865 to the present.

FOREIGN LANGUAGE

Fr. 101. Elementary French. 3 credits.

Drill in pronunciation, fundamental grammatical principles, simple reading and translation, oral and written exercises with emphasis on the spoken language. (Not open to those with two years of high school French or the equivalent.)

Fr. 102. Elementary French. 3 credits.

Continuation of French 101, which is a prerequisite.

Fr. 201. Intermediate French. 3 credits.

Rapid reading of various types of French literature, with the emphasis on comprehension rather than translation. Oral and written composition.

Fr. 202. Intermediate French. 3 credits.

Continuation of French 201, which is a prerequisite.

Ger. 101. Elementary German. 3 credits.

Drill in pronunciation, fundamental grammatical principles, simple reading and translation, oral and written exercises, with emphasis on the spoken language.

Ger. 102. Elementary German. 3 credits.

Continuation of German 101, which is a prerequisite.

Span. 101. Elementary Spanish. 3 credits.

The first semester presents grammatical precepts regarding the phonetic principles of the language, verb formation and use, and Spanish sentence structure. Classes are conducted through vocabulary drill, reading and translation of easy prose selections, and practice in developing mastery of pronunciation.

Span. 102. Elementary Spanish. 3 credits.

This is a continuation of Spanish 101. Emphasis is upon translation and the active use of the language in spoken and written expression. Prerequisite: Spanish 101.

Span. 201. Introduction to Hispanic Civilization. 3 credits.

Reading in the literature and cultural history of the Hispanic countries. Brief review of grammar, current registration in Spanish 213 or 214 recommended. Prerequisite: Span. 101-102 or equivalent.

Span. 202. Introduction to Hispanic Civilization. 3 credits.

A continuation of Span. 201, which is a prerequisite.

Span. 213. Elementary Spanish Conversation and Pronunciation. 2 credits.

May be taken independently or concurrently with Span. 201 or 202. Credit may be earned for each semester independently.

Span. 214. Elementary Spanish Conversation and Pronunciation. 2 credits.

A continuation of Span. 213, which is a prerequisite.

HUMANITIES

Not more than two of these courses should be taken concurrently without permission of the student's counselor and the instructor.

Hs. 201. (Art) Humanities. 2 credits.

A study of the major artistic achievements of the world; designed to stimulate and deepen the appreciation and understanding of this medium of expression.

Hs. 202. (Literature) Humanities. 2 credits.

A critical study of representative literary masterpieces of the world. The course stresses the importance of appreciating literature as an art form and as a record of man's attempt to account for the forces of his destiny. Literary works are examined in light of the culture which produced them.

Hs. 203. (Music) Humanities. 2 credits.

This course is designed to develop perceptive listening through the study of the basic elements of musical properties, forms, and styles. The relation of the great periods in music to parallel eras in other arts, religion, and philosophy is emphasized. The course includes detailed study of the lives and representative works of composers in several areas of music. Outside listening required.

Hs. 204. (Philosophy) Humanities. 2 credits.

A study of the philosophical heritage of our world. The course examines key interpretations of man and his universe from ancient Greece to the present. Emphasis is placed on the making clear and the appreciating of the contribution of philosophy in understanding and conserving civilized endeavor.

MATHEMATICS

Ms. 105. Basic Mathematics. 3 credits. (3 or 5 hours a week as determined by mathematics placement test.)

This course will fulfill the General Education requirement in mathematics. This course treats the number concept (Roman numerals, Hindu-Arabic System, number bases), number theory, logic, Algebra as a generalization of arithmetic (Real Number System, first and second degree equations, functions, relations and graphs, exponents and radicals), Finance (Percents, simple and compound interest and annuities), Probability and Statistics.

Ms. 106. College Algebra. 3 credits.

Scope of this course includes a postulational development of system of natural numbers with extensions to the Real Number System and Complex Number System, some set theory, mathematical induction, relations, functions, and graphs, fundamental operations with polynomials and fractions, theory of equations, variation, partial fractions, inequalities, matrices, determinants, progressions, binomial theorem. Prerequisite: Ms. 105 or satisfactory score on placement test.

Ms. 107. Plane Trigonometry. 3 credits.

Topics include a study of angles, functions of the general angle, logarithms, radian measure, identities, trigonometric equations, graphing trigonometric functions, addition formulas, polar coordinates, inverse trigonometric functions, complex numbers. Prerequisite: Ms. 105 or satisfactory score on placement test and may be taken concurrently with Ms. 106.

Ms. 109. Slide Rule. 1 credit.

Chief emphasis is placed on having student acquire speed and accuracy with use of the fundamental scales. Topics include multiplication, division, squaring, cubing, taking square roots and cube roots, using trigonometric and log scales to solve special problems. Prerequisite: Student must be enrolled in Ms. 107 or have completed high school trigonometry.

Ms. 120. Elementary Statistics. 3 credits.

An introduction to elementary statistical principles. Topics include frequency distributions, histograms, measures of central tendency, variation, symmetry, peakedness, probability, normal curve, binomial distribution, sampling, problems of estimation, testing hypotheses, linear regression and correlation. Prerequisite: Ms. 105 or Ms. 106.

Ms. 201. Analytic Geometry. 3 credits. (Offered in Evening Division only.)

Topics include the straight line, conic sections, translation and rotation of axes, transcendental functions, polar coordinates, parametric equations and special curves, applications to three dimensions. Prerequisite: Ms. 106 and Ms. 107.

Ms. 202. Introductory Calculus. 3 credits. (Offered in Evening Division only.)

Topics include functions, limits, continuity, derivatives, maxima and minima and inflection points, definite integral, work, areas, the indefinite integral, volumes, fluid pressure, logarithmic and exponential functions. Prerequisite: Ms. 201.

Ms. 205. Analytic Geometry and Calculus I. 5 credits.

Topics covered include equations of a straight line, derivative of a function, velocity and acceleration, limits, continuity, antidifferentiation, study of conic sections, area under a curve, maxima and

minima, trigonometric and inverse trigonometric functions, differentials, parametric representation, the definite integral, volumes, work, moments of inertia, families of curves, translation and rotation of axes. Prerequisite: Ms. 106 and Ms. 107.

Ms. 206. Analytic Geometry and Calculus II. 5 credits.

Topics include logarithmic and exponential functions, hyperbolic functions, technique of integration, applications of integration (Solids of Revolution, area of surface, centroids, pressure), polar coordinates, vectors, motion in a curve, convergent sequences, L'Hospital's Rule, infinite series, methods of approximation, determinants and linear systems, analytic geometry of 3 dimensions, partial differentiation, multiple integrals. Prerequisite: Ms. 205.

Ms. 207. Calculus III. 5 credits.

Topics include linear differential equations, dimensional analysis, differential equations of linear systems, Kirchhoff's laws, complex variables and hyperbolic functions, differential equations of other types, Fourier Series, elliptic integrals, the gamma function, the beta function, Bessel functions, vector algebra and vector calculus, applications to engineering problems. Prerequisite: Ms. 206.

MUSIC

Mu. 105. College Chorale. 1 credit. (3 hours per week.)

Ensemble singing including study of choral works from Palestrina to current musical comedy. Voice production, diction, and musical taste are included. Attendance at extra rehearsals and concert performances required to receive credit.

Mu. 106. College Chorale. 1 credit. (3 hours per week.)

A continuation of Music 105.

Mu. 205. College Chorale. 1 credit. (3 hours per week.)

Ensemble singing, French and Italian diction, solo or small ensemble appearances. Attendance at all rehearsals and performances required to receive credit. Prerequisite: Mu. 105-106 or equivalent.

Mu. 206. College Chorale. 1 credit. (3 hours per week.)

A continuation of Music 205.

Mu. 210. Theory of Music I. 3 credits.

An intensive study of the materials of music: notation, time and rhythm, and chord-structure. Ear-training, sight-singing, rhythmic reading, harmonic dictation, keyboard harmony. Prerequisite: Ability to play piano or comparable experience in band or glee-club.

Mu. 211. Theory of Music II. 3 credits.

A continuation of Music 210.

PHILOSOPHY AND PSYCHOLOGY

Phil. 150. Introduction to Philosophy. 3 credits.

An introduction to philosophy dealing with the basic persistent problems of human life. Reading the original ideas of representative philosophers constitute the basis for discussion and criticism of significant answers to these recurrent questions in human thinking.

Phil. 185. Practical Logic. 3 credits.

A course seeking to develop the student's ability to think clearly and effectively and to help him to evaluate the thinking of others. It attempts to train the student to detect and resist common devices of persuasion used in propaganda and advertising, to avoid common errors in reasoning, and to reason accurately from principles.

Psy. 101. Essential Psychology for Modern Society. 2 credits.

Practical applications of psychology and philosophy as related to general life adjustment and achieving success in college. Special emphasis is given to effective study habits and techniques, educational and occupational planning, philosophy of life, citizenship responsibilities, etc. Required orientation for all entering Freshmen.

Psy. 201. Introductory Psychology. 3 credits.

This course is an introduction to psychology and it consists of a systematic study of the development of psychology as a science of human behavior. A survey of the methods, techniques, and experiments of the field is made.

Psy. 205. Educational Psychology. 3 credits.

The various theories of learning are examined. The literature dealing with education from pre-school to college level is surveyed. Topics include principles of development, learning, motivation, problem solving, individual differences, adjustment guidance and measurement.

PHYSICAL EDUCATION

Pe. 101. Fitness Through Physical Activity. 1 credit. (3 hours)

This course is designed to familiarize students with types of programs to develop and maintain fitness through the medium of physical activity. Emphasis is placed on participation, although the course includes analysis of physiological and psychological factors associated with total fitness.

Pe. 102. Physical Education and Development. 1 credit. (3 hours)

Primarily co-educational with emphasis on individual and dual activities that can be engaged in throughout life. The aim is the maintenance of fitness and the development of attitudes toward leisure and skill so that the student can select, participate in, and enjoy the activity most appropriate to his needs.

Pe. 201. Physical Education and Development. 1 credit. 3 hours)

A continuation of Pe. 102.

Pe. 202. Physical Education and Development. 1 credit. (3 hours)

A continuation of Pe. 201.

Pe. 225. Personal Health. 3 credits.

Principles, problems, and practices involved in the improvement of individual health. Emphasis is given to infection and disease prevention, marriage and parenthood, nutrition, and mental health.

Pe. 226. First Aid and Safety. 2 credits.

Information needed in immediate care of injured persons. Special emphasis is placed on the prevention of accidents through safety consciousness.

SCIENCE

Cy. 101. General Chemistry. 4 credits. (3 hours lecture; 3 hours lab.)

A general course covering fundamental principles, the structures of matter and a study of the more common elements and compounds.

Cy. 102. General Chemistry. 4 credits. (3 hours lecture; 3 hours lab.)

A continuation of Cy. 101, which is prerequisite.

Phy-Bio. Sci. 101. Physical-Biological Science. 4 credits. (3 hours lecture; 3 hours lab.)

An integrated science course, with emphasis on the physical sciences, designed to fulfill four hours of the science requirements for the General Education Program. Topics covered include astronomical and geological beginning, biological evolution, mechanics, molecular theory, atomic structure, chemical reactions, oxidation and reduction, ionization, organic chemistry, food chemistry, cell structure, cellular functions, tissue, organs, and systems.

Phy-Bio. Sci. 102. Physical-Biological Science. 4 credits (3 hours lecture; 3 hours lab.)

Continuation of Phy-Bio.Sci. 101. This course completes the 8 hour science requirement for the General Education Program. Topics covered include energy, nuclear energy, capillarity, osmosis, diffusion, permeability, photosynthesis, geology, meteorology and astronomy. Recommended prerequisite: Phy-Bio.Sci. 101.

Phy. Sci. 105. Astronomy. 3 credits.

To cover topics in instruments, solar system, mechanics, celestial sphere, sun, moon, stars, earth, comets, meteors and radio astronomy. No prerequisite but recommend Ms. 105.

Bio-Phy. Sci. 111. Biological-Physical Science. 4 credits (3 hours lecture; 3 hours lab.)

An integrated science course, which emphasizes the natural science area, designed to fulfill four hours of the science requirement for the General Education Program. Topics include: astro-

nomical and geological beginnings; survey of the Plant Kingdom the taxonomic, physiological and ecological aspects related to man's understanding of the plant world.

Bio.-Phy. Sci. 112. Biological-Physical Science. 4 credits. (3 hours lecture; 3 hours lab.)

A continuation of Biological-Physical Science 111 with emphasis upon the animal kingdom and an integration of the chemistry and physics involved in animal existence. Man's physical scientific achievements will be considered with respect to nuclear energy mechanics and meteorology. It is recommended that the student prerequisite this course with Bio.-Phy. Sci. 111.

Bio. Sci. 225. General Zoology. 4 credits. (3 hours lecture; 3 hours lab.)

A concentrated study of the invertebrata with emphasis upon taxonomy, physiology, and ecology. Prerequisite: Bio.-Phy. Sci. 111 and 112.

Bio. Sci. 226. General Zoology. 4 credits. (3 hours lecture; 3 hours lab.)

A continuation of Bio. Sci. 225 with emphasis upon vertebrata. Topics considered are evolution, genetics, and study of animal zoogeography. Prerequisite: Bio. Sci. 225.

Bio. Sci. 235. General Botany. 4 credits. (3 hours lecture; 3 hours lab.)

A concentrated study of the plant kingdom with emphasis upon the non-flowering plants. Taxonomy, ecology, and evolution will be considered with reference to the diversity of the world's flora. Prerequisite: Bio.-Phy. Sci. 111 and 112.

Bio. Sci. 236. General Botany. 4 credits. (3 hours lecture; 3 hours lab.)

A continuation of Biological Science 235 with emphasis upon the flowering plants (Angiosperm). A physiological and taxonomic approach will be taken with reference to economic use of plants. Prerequisite: Bio. Sci. 235.

Phys. 201. General Physics. 4 credits. (3 hours lecture; 3 hours lab.)

A general study with emphasis on the fundamental mathematical and quantitative aspects. Mechanics, heat, electricity, sound, light, atomic structure and nuclear energy will be among the topics studied.

Phys. 202. General Physics. 4 credits. (3 hours lecture; 3 hours lab.)

A continuation of Phys. 201. Prerequisite: Phys. 201.

SOCIAL SCIENCES

Geog. 201. World Geography. 3 credits.

An introductory study of the relationships between man and his natural environment. Emphasis will be placed upon the location of countries, distribution of natural resources, and other economic resources which contribute to the social, political, and economic growth of the various countries, regions, and continents.

Hy. 101. History of Western Civilization. 3 credits.

A survey of the development of western civilization with special emphasis placed upon the heritage of the United States. It traces the characteristic aspects of the civilization of the western world to the 18th Century. Special attention is given to the forces that have molded western institutions.

Hy. 102. History of Western Civilization. 3 credits.

A continuation of Hy. 101 to the present. Some emphasis on contemporary civilization and culture.

Hy. 105. Current Affairs. 1 credit.

A study of the events of the world today based on current newspapers, periodicals, radio, and television. Emphasis is placed on the development of critical thinking on the part of the student.

Hy. 106. Current Affairs. 1 credit.

A continuation of Hy. 105.

Hy. 201. American History. 3 credits.

This course presents a survey of the political, economic, social, and intellectual development of the United States from the Age of Discovery of North America through the period of Reconstruction following the American Civil War.

Hy. 202. American History. 3 credits.

A survey of the events following the Reconstruction era of the American Civil War period. The age of big business, the emergence of the U. S. as a world power, World War I, the great depression and the New Deal, World War II, the Korean War, and subsequent developments will be surveyed.

Pol. Sc. 201. American Government. 3 credits.

A study of the constitutional basis, organization, and functions of our national government. This course includes an analysis of the American political heritage with particular emphasis upon the Declaration of Independence, the Constitution, the three branches of government (federal), political parties, pressure groups, and current problems.

Pol. Sc. 202. State and Local Government. 3 credits.

Traces the historical, social, and legal basis of local and state government in the United States and examines the administrative methods and machinery of local and state governmental systems. Special emphasis is given to the study of the State and local government in Florida.

Rel. 101. History of the Old Testament. 3 credits.

Survey of the Old Testament. It is the aim of this course to survey the events recorded in the Old Testament and to identify these events as far as possible with events in history. No effort shall be made to trace religious thought but to trace cultural development during the Old Testament period. Prerequisite: Consent of the instructor.

Rel. 102. History of the New Testament. 3 credits.

Survey of the New Testament. It is the aim of this course to survey the events recorded in the New Testament and to observe how these events parallel events in the history of that period. Prerequisite: Consent of the instructor.

Soc. Sci. 111. Introduction to the Social Sciences. 3 credits.

The purpose of this course is to give the student a better understanding of the interrelationship among the various social science disciplines as they contribute to his everyday life.

Soc. 150. Introductory Sociology. 3 credits.

An introductory course in sociology dealing with facts about society in the United States today. Emphasis will be placed on the basic ideas involved in sociological observation and analysis, and an understanding of the nature and limits of scientific thought as applied to man's behavior in groups.

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