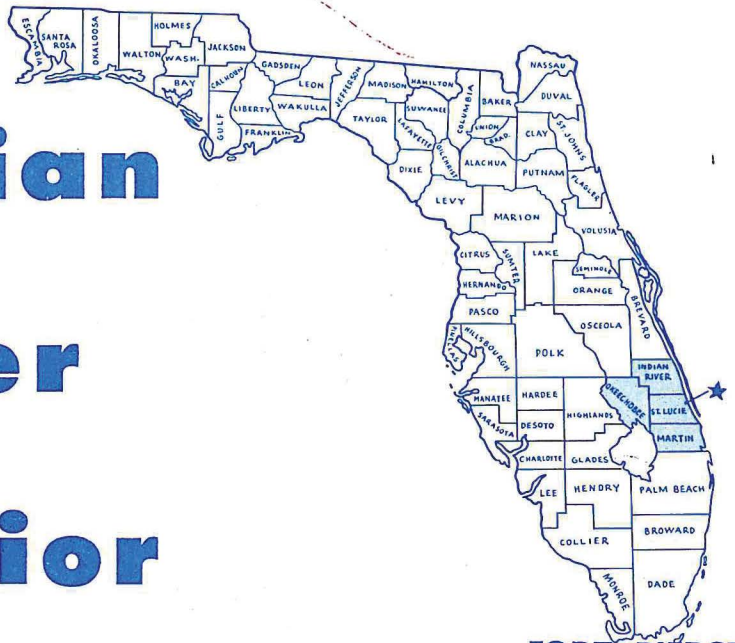


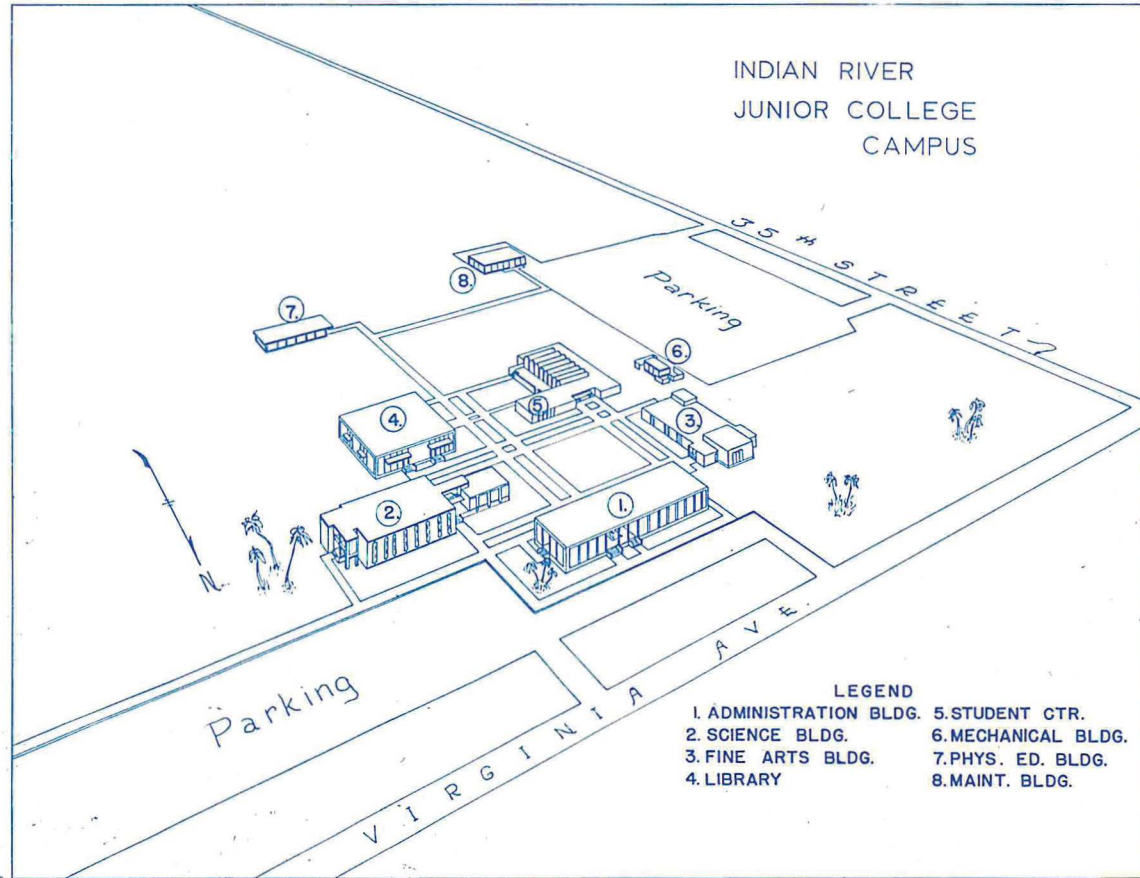


Indian River Junior College



FORT PIERCE
1965 - 1966

INDIAN RIVER
JUNIOR COLLEGE
CAMPUS



LEGEND

- | | |
|-------------------------|---------------------|
| 1. ADMINISTRATION BLDG. | 5. STUDENT CTR. |
| 2. SCIENCE BLDG. | 6. MECHANICAL BLDG. |
| 3. FINE ARTS BLDG. | 7. PHYS. ED. BLDG. |
| 4. LIBRARY | 8. MAINT. BLDG. |



FORT PIERCE, FLORIDA

COLLEGE CATALOG

1965 - 1966

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

VOL. 6

NO. 6

MARCH, 1965

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CALENDAR 1965-66

FALL SEMESTER

- | | |
|-------------------------|--|
| July 21, Wed. | —Testing for new students. |
| Aug. 10, Tues. | —Testing for all students who have not been previously tested. |
| Aug. 16, Mon. | —Orientation of all Freshmen and transfer students. Group meeting of faculty advisors with new students during this afternoon. Scheduling of classes by students under supervision of faculty advisor. |
| Aug. 17, Tues. | —Continuation of scheduling of classes by students with faculty advisors. |
| Aug. 19, Thurs. | —Registration of all previous students.
8:30-12:00, 1:00-5:00, 7:00-9:00 |
| Aug. 20, Fri. | —Registration of Freshmen.
8:30-12:00, 1:00-5:00, 7:00-9:00 |
| Aug. 23, Mon. | —First classes for all college credit students, both day and evening classes. After this date a late registration fee will be charged. |
| Aug. 30, Mon. | —Last day a student may enroll for the Fall Semester. |
| Sept. 6, Mon. | —Labor Day Holiday. |
| Sept. 7, Tues. | —Last day to change classes. A drop fee of \$1.00 will be charged for each class dropped after this date unless the student is withdrawing from college. |
| Sept. 8, Wed. | —Dates for the beginning of Adult (non-credit) courses will be announced as classes materialize. |
| Sept. 20, Mon. | —Last day that a student may change from a credit to an audit (non-credit) student or from an audit to a credit student. |
| Oct. 20, Wed. | —Mid-semester grades due in Registrar's Office by 12:00. |
| Oct. 29, Fri. | —Last date that a course may be dropped with a grade of "W". After this date a grade of "F" will be recorded on the student's permanent record. |
| Nov. 11, Thurs. | —Veterans Day Holiday. |
| Nov. 25-26, Thurs.-Fri. | —Thanksgiving Holidays. Holidays begin at 10 p.m. on Wednesday, November 24. |
| Nov. 29-Dec. 10 | —Registration for Spring Semester. |
| Dec. 15-17, Wed.-Fri. | —Semester Exams. End of Semester. |
| Dec. 18, Sat. | —Grades due in Registrar's office. |
| Dec. 20, Mon. | —Mid Year Graduation. |

SPRING SEMESTER 1966

- Jan. 3, Mon. —Reporting date for faculty.
- Jan. 4-5, Tues.-Wed. —Registration of all students.
8:30-12:00, 1:00-5:00, 7:00-9:00
- Jan. 6, Thurs. —First classes for all college credit students for both day and evening classes. After this date a late registration fee will be charged.
- Jan. 13, Thurs. —Last date a student may enroll for the Spring Semester.
- Jan. 24, Mon. —Last date to change classes. A drop fee of \$1.00 will be charged for each class dropped after this date.
- Feb. 7, Mon. —Last date that a student may change from an audit to credit, or from a credit to an audit student.
- Mar. 9, Wed. —Mid-semester grades due in Registrar's office by 12:00.
- Mar. 16, Wed. —Last date to drop a course with a grade of "W". After this date a class dropped will be recorded as an "F" on the student's permanent record.
- Apr. 7-11, Thurs.-Mon. —Spring Holidays. Holidays begin at 10 p.m. on Wednesday, April 6.
- Apr. 12, Tues. —Classes resume.
- Apr. 12-15, Tues.-Fri. —Registration for Summer Term I.
- Apr. 18-26 —Preregistration for Fall Semester.
- Apr. 27-29, Wed.-Fri. —Exams. End of Semester.
- Apr. 30, Sat. —Grades for graduates due in Registrar's Office by 12:00.
- May 1, Sun. —Baccalaureate.
- May 2, Mon. —Commencement.
- May 3, Tues. —Grades due in Registrar's Office by 12:00.
- May 9, Mon. —First classes, Summer Term I.
- June 20-21, Mon.-Tues. —Final Exams, Summer Term I.
- June 22, Wed. —Grades due in Registrar's Office.
- June 22, Wed. —First classes Summer Term II.
- July 4, Mon. —Independence Day Holiday.
- Aug. 4-5, Thurs.-Fri. —Final Exams, Summer Term II.
- Aug. 5, Fri. —Grades due in Registrar's Office.

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

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Mrs. Frances Wouters

Rollin W. Tedder

Mrs. Hazel Jordan

Wallace L. Gray

Ben L. Bryan, Superintendent

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Indian River County.....J. A. Thompson

Martin CountyThomas Crook

Okeechobee County.....Carl Durrance

St. Lucie County.....Ben L. Bryan

COLLEGE ADVISORY BOARD

Charles Miley, Chairman

Mrs. T. R. Chambers

Ira McAlpin

Robert Fenton

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Hubert Harden

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Standish Crews

Frank Reeves

Ben F. Dixon

Lee L. Smith

Joseph S. Greenlees

Robert Terry, Jr.

Kenneth S. Harris

Norman Zapf

**ADMINISTRATIVE OFFICERS
OF
INDIAN RIVER JUNIOR COLLEGE**

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

Harold H. Hopper, B.S., M.S., Ed.D.....*Dean of Special Programs*

Charles W. Sample, B.S., M.A. *Dean of Student Personnel and Registrar*

Glenn R. Dallman, B.A., M.E., M.S.L.S....*Director of Library Services*

Robert A. Garin, B.S. P.E., M.P.H.*Director of Academic Affairs*

Donald L. Granger, B.S.Ed., M.A.....*Director of Adult Education*

Eugene Lyon, A.B., M.S.....*Director of Business Affairs*

FACULTY

Maxwell C. King.....	<i>President</i>
B.S., Auburn University	
M.Ed., University of Florida	
Ed.D., University of Florida	
Bird, Robert W.....	<i>Physics and Chemistry</i>
B.S., Massachusetts Institute of Technology	
M.Ed., Florida State University	
Bowen, Charles E.....	<i>Social Science</i>
B.S., University of Maryland	
Brinkley, Harry J.....	<i>Agriculture</i>
B.S.A., University of Florida	
M.S.A., University of Florida	
Brown, John K.....	<i>Social Science</i>
B.S., Florida State University	
M.S., Florida State University	
Brown, Mary C.....	<i>Mathematics</i>
B.S., Eastern State College	
M.S., University of Kentucky	
Chumley, Jere.....	<i>Art</i>
B.S., Middle Tennessee State College	
M.A., George Peabody College for Teachers	
Conklin, Robert Jr.....	<i>Electronics</i>
B.S., University of Florida	
Dallman, Glenn.....	<i>Director of Library Services</i>
B.A., Northland College	
M.E., Wisconsin State College	
M.S.L.S., Western Reserve University	
Dohmeier, Elaine P.....	<i>Nursing</i>
R.N. and B.S., University of Washington	
Dolozik, Imogene R.....	<i>English and Speech</i>
A.B., MacMurray College	
M.A., University of Illinois	
Garin, Robert A.....	<i>Director of Academic Affairs</i>
B.S.P.E., University of Florida	
M.P.H., University of Florida	
Granger, Donald L.....	<i>Director of Adult Education</i>
B.S., Washington University	
B.S.Ed., Washington University	
M.Ed., Washington University	
Graves, Rupert D.....	<i>Mathematics</i>
B.S., United States Military Academy	
M.S., Purdue University	
Hansell, Ruth E.....	<i>Assistant Librarian</i>
A.B., Mercer University	
M.S., Florida State University	
Harner, Whitman H.....	<i>Science</i>
B.S., West Virginia Wesleyan College	
M.S., The Ohio State University	
Hopper, Harold H.....	<i>Dean of Special Programs</i>
B.S., Illinois Normal	
M.S., Washington University	
Ed. D., University of Florida	
Keller, Helen B.....	<i>Communications</i>
A.B., Georgia State College for Women	
M.A., University of Georgia	

Kemp, Adella G.	<i>Physical Education</i>
B.S., Bowling Green State University	
M.Ed., Bowling Green State University	
Long, John Grimshaw	<i>Languages</i>
B.S.Ed., University of Dayton	
M.A., University of Wisconsin	
Lyon, Eugene	<i>Director of Business Affairs</i>
A.B., University of Florida	
M.S., University of Denver	
Molnar, Angelita G.	<i>Spanish</i>
B.A., University of Puerto Rico	
M.A., Columbia University	
Moore, Robert M.	<i>Guidance Counselor</i>
B.M., University of Miami	
M.A., Cincinnati Conservatory of Music	
Pfaff, Robert M.	<i>Social Science</i>
B.S.Ed., Northeast Missouri State Teachers College	
M.A., Northeast Missouri State Teachers College	
Quick, Joyce F.	<i>Biological Science</i>
B.A., DePauw University	
M.A., DePauw University	
Sample, Charles W.	<i>Dean of Student Personnel and Registrar</i>
B.S., Davidson College	
M.A., Florida Atlantic University	
Seaber, Ellen J.	<i>Guidance Counselor</i>
B.S., Winthrop College	
M.P.H., University of Florida	
Stanley, Philip L.	<i>Physical Education</i>
B.S.Ed., Wittenberg College	
M.A.Ed., Eastern Kentucky State College	
Sydenstricker, Bettie W.	<i>Business</i>
A.B., West Virginia University	
M.A., George Peabody College	
Ed.S., George Peabody College	
Whipple, Laura H.	<i>Music</i>
B.M., Eastman School of Music	
M.M., University of Rochester	
Williams, Millicent J.	<i>Business Education</i>
B.S., Florida State University	
M.B.A., Florida State University	
Woodall, Reginald M.	<i>English</i>
A.B., University of Alabama	
M.A., University of Alabama	

SECRETARIAL STAFF

Mrs. Connie Burdge	<i>Secretary to Director of Academic Affairs</i>
Mrs. Margaret B. Cline	<i>Secretary to Directors of Adult Education and Technical Education</i>
Miss Mabel T Hoskins (Peggy)	<i>Secretary to the President</i>
	<i>B.S.H.E., West Virginia University</i>
Miss Marie K. Magdefrau	<i>Bookkeeper</i>
Miss Betty C. Palmer	<i>Secretary to the Librarian</i>
Mrs. Angie Vasil	<i>Secretary to Dean of Student Personnel</i>
Mrs. Mary E. Woods	<i>Assistant Registrar</i>

GENERAL INFORMATION

HISTORY

Indian River Junior College was authorized by law during the 1959 Session of the Florida Legislature. The college was established to serve the four-county area of Indian River, Martin, Okeechobee, and St. Lucie Counties and is administered by the Board of Public Instruction of St. Lucie County. An Advisory Board composed of prominent men and women from the four counties serve in an advisory capacity to the President and the St. Lucie County School Board on matters of policy concerning the college.

The first college president, Dr. Maxwell C. King, was appointed on January 1, 1960, to organize and develop the college program. First classes were held in September, 1960, in temporary facilities located on Preston Court in Fort Pierce.

The permanent campus is located on a 65-acre tract located at Virginia Avenue and 35th Street. The land for the college was donated to the college by the City of Fort Pierce. The city government along with the county government and School Board of St. Lucie County have cooperated fully in the development of the college. The spirit of cooperation between these governmental bodies and citizens of the four-county area has helped lead to the success of this new Community Junior College.

OBJECTIVES OF THE COLLEGE

To meet the needs of education in our community beyond the high school level, the Indian River Junior College has the following general objectives:

To serve as a center to foster cultural development in the college community.

To provide two years of college work acceptable for transfer to a four-year college or university.

To provide programs that will fit the students for employment in industry and business in this area.

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.

GUIDANCE

The philosophy of the college is reflected in a program of guidance which provides the opportunity 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.

ACCREDITATION

State Accreditation—Indian River Junior College is a part of the Florida state system of public junior colleges and is accredited by the State Department of Education. Special arrangements have been made for the transfer of credits (grade C or better) to four-year colleges and universities.

Regional Accreditation—All new institutions of higher learning must become 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 by 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 a minimum level, and to prevent inadequate institutions from offering work they are not qualified to offer by refusing or withdrawing accreditation.

A junior college cannot be accredited fully by the accrediting association until it has been in existence for five years or has graduated three classes. Indian River Junior College has, however, been granted "early recognition" by the Southern Association of Colleges and Schools. This category has been designed to grant recognition to newly established institutions which meet most of the applicable standards of the College Delegate Assembly of the Southern Association and which show progress toward qualifying for full accreditation and membership after graduating three regular classes.

FACILITIES

ADMINISTRATION, CLASSROOMS, AND LABORATORIES

The campus is located in the southwest area of Fort Pierce between 30th and 35th Streets on Virginia Avenue. The present campus consists of eight buildings; the Administration-Classroom building, the Science Building, the Library, the Student Center, the Fine Arts Building, a maintenance building, the Mechanical Equipment Building, and the Physical Education Building.

All buildings are completely air-conditioned and are equipped with the latest in modern teaching aids and equipment.

LIBRARY

In the Library there is a rapidly growing collection of reference books, periodicals and newspapers, pamphlets, and circulating books to meet the academic needs and recreation interests of the students and faculty. Open stacks are maintained to give students access to the entire book collection. Audio-visual equipment and materials are available

through the library for classroom use. A circulating record collection is being developed.

Library instruction is given to all entering students as a part of the orientation program.

The library is open daily and in the evenings during the regular academic school year and during the summer sessions.

BOOKSTORE

The college bookstore is conveniently located in the Student Center and has available textbooks and classroom supplies for students. Both new and used books are available with the cost varying from \$35 to \$70 per year for a full-time student. The students may re-sell their books to the Bookstore provided they are in good condition and will be used by the college for the next semester.

TRANSPORTATION

Each Board of Public Instruction is responsible for providing public transportation to the college from Martin, Okeechobee, and Indian River Counties. Students living in outlying areas in St. Lucie County may use existing public school transportation facilities. Sufficient parking space is available for private transportation on the campus. Each student and faculty member is issued a parking permit.

MEDICAL FACILITIES

The college does not provide medical facilities; however, first-aid equipment is readily available in various areas of the campus. In case of accidents or serious illness the parents are notified immediately. Emergency treatment by private physician or hospitalization are at the student's or parent's expense.

INSURANCE

A low-cost accident insurance is available for all students at a cost of \$2.25 per year for coverage during college hours. For \$10 the same insurance will cover the student 24 hours a day for a full year. Students are encouraged to take advantage of this insurance. All students participating in intramural and intercollegiate sports are required to have accident insurance coverage.

STUDENT CENTER

The Student Center, conveniently located in the center of the Campus, provides a lounge, recreational area, snack bar, student government and publication offices and the Pioneer Bookstore. Student social activities as well as assemblies for the entire student body are held in this building.

ADMISSIONS REQUIREMENTS AND PROCEDURES

PROCEDURE

Students desiring to enroll in Indian River Junior College should write, phone, or visit the college to request an application for admission. The completed application, along with the student's high school or college transcript, must be filed with the Registrar well in advance of the time of registration in order to insure admission of the student.

No student is formally registered until all of the following papers are available to the college officials:

Application for Admission, with \$10.00 application fee

Application for Pupil Assignment

Health Certificate (for all persons enrolling in a Physical Education course)

Small picture or snapshot of student

Transcript of high school or college record

ADMISSION REQUIREMENTS

1. Students entering college for the first time:

- a. Graduation from an accredited high school, or the equivalent as evidenced by the issuance of a certificate or diploma of high school equivalency by the Florida State Department of Education or a similar agency of another state, is required.
- b. Graduates of non-Florida high schools and others who do not meet the requirements above may establish eligibility for admission only by approval of the Admissions Committee. If approved by the Admissions Committee, they will be admitted under the condition as specified by the Committee.
- c. A transcript of high school record, G.E.D. equivalency, or photostat copy of diploma must be on file with the college.
- d. A health certificate is required of all persons taking a course in physical education.
- e. All admissions requirements must have been satisfied prior to the last day of any semester or session for registration as set forth in the calendar of this catalog. Students who have not completed these requirements will be designated as audit (non-credit) students until these requirements have been met.

2. Transfer Students:

- a. An applicant who has previously attended or enrolled in any other college or university is considered a transfer student. This student must furnish evidence of an honorable dismissal by the last college

or university that he attended. This is usually shown on the college transcript.

- b. Students whose status from his last college or university was probationary will be admitted only on a probationary status and with no more than a 12 academic semester hour load.
- c. A student who has been suspended from his previous college for academic deficiencies will not be admitted to Indian River Junior College, until he has completed at least one quarter, trimester, or semester of his suspension period, except when approved by the Admissions Committee through an appeal initiated by the student. This appeal requires a written request and personal interview by the student before the Admissions Committee. Students suspended for other than academic deficiencies must be approved for admission by the Admissions Committee. Students who are enrolled in the above categories are on probation for one semester and are advised that credits earned at Indian River Junior College, while under suspension from another college or university, may not be acceptable as transfer credits to their previous institution. Students are strongly encouraged to correspond with their previous and/or future institutions whenever they are admitted during a suspension period. This procedure will insure transfer status of the credits earned at Indian River Junior College.

3. Audit Students :

An Audit Student is classified as one who is qualified to enroll for credit but does not desire to take the course for credit. The classroom requirements for the Audit Student are the same as for a Credit Student. In special cases, approved by the Admissions Committee, a student may be admitted to a course as an Audit Student who could not normally qualify as a Credit Student. Audit Students will not receive a final semester grade.

4. Teachers taking courses for certification :

A reduced registration fee is provided for teachers in the four cooperating counties who are employed on a full-time basis. Many teachers will find the Indian River Junior College offers courses which will enable them to meet the State of Florida Certification requirements; however, the college assumes no responsibility for determining which courses will satisfy the individual teacher requirements for certification. The college may advise the teacher, but it is the sole responsibility of the individual to insure that courses taken for certification meet the requirements with the Certification Department of the State Department of Education. Early correspondence with the Certification Department is suggested.

For the teacher's convenience, an abbreviated, one-page application is provided which requires the signature of the Superintendent of the Board of Public Instruction.

5. Foreign Students :

A foreign student is classified as one who has not taken out first papers for United States Citizenship.

- a. He must meet the requirements as outlined above except in unusual cases where it is impractical to obtain a high school or college transcript. Special evaluation of the student is given in such cases.
- b. He must be able to read and write the English language fluently.
- c. Foreign students are urged to apply at least three months prior to registration date to insure proper processing with the United States Immigration Department.

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 COSTS

FINANCIAL REGULATIONS

1. No student will be considered as completing his registration until all fees have been paid.
2. For the purpose of assessing tuition and fees, students are classified as Florida district residents, Florida non-district residents, and out-of-state residents.
3. A Florida district resident is a student, if under 21 years of age, whose parents or legal guardians have maintained legal residence in Indian River, Martin, Okeechobee, or St. Lucie Counties for the preceding twelve months. If the student is over 21 years of age, he must have maintained legal residence in one of the four counties for the preceding twelve months. The only exceptions to this rule are that locally stationed military service personnel and their dependents may be classified as Florida district residents without actually residing in the district for twelve months.
4. A Florida non-district resident student is one who meets the residence requirements as stated above but has not resided in the four-county area for the twelve preceding months.
5. All students who do not qualify as Florida district or Florida non-district residents are classified as non-Florida residents.

6. The status of the classification of a student is determined at the time of registration and may not be changed by him unless, in the case of a minor, his parents move to and become legal residents of Florida and/or the District by maintaining such residence for 12 consecutive months.
7. A student desiring to change his legal residential classification other than that assigned to him at the time of his initial registration will be required to furnish legal proof in order to effect a change in classification.

FEES, TUITION, AND OTHER COSTS

1. Application Fee—\$10—required of all students. This fee is not refundable but is deducted from the registration fee at the time of registration.
2. Registration Fee—Full-time students—\$65 per semester.
Part-time students—\$6 per semester hour—\$5 registration fee.
3. Tuition:
Full-time students:
Florida district residents: None
Florida non-district residents: \$30 per semester (for students residing in a county that does not support a public Junior College)
Non-Florida residents: \$60 per semester
Part-time students: None
4. College Activity Fee:
Full-time students: \$10 per semester
Part-time students: None (Part-time students may pay the \$10 fee and take advantage of the student activities offered the same as a full-time student except that they may not participate in student elections).

This fee is collected by the college at the time of registration to support the students' activities during the semester. The activity fee budget is prepared by the Executive Council of the Student Government and approved by the College administration. The student activity budget supports such activities as the SIMOC (yearbook), Pioneer Post (newspaper), Great Artist Series, Intramurals, Debate Club, College Chorale, Student Socials, intercollegiate athletics, and other college activities as determined by the college.
5. Special Fees:

Late registration (all students)	\$10.00
Graduation (diploma, cap and gown, etc.)	12.00
Science Laboratory (each lab course)	4.00

Art Laboratory:

Ceramics	8.00
Painting	4.00
'Transcript (first one free)	1.00
Course withdrawal fee (for all courses withdrawn after deadline date established in College Calendar)	1.00

6. Books and College Supplies: (estimated cost per year) \$35 - \$70.
7. All fees shall be due and payable at the time of registration.

REFUNDS

1. Spring and Fall Semester: Refunds will be paid only to students who withdraw during the first week of each semester or during the first three days of Summer School. Refunds will consist of one-half of registration and tuition fees. No other fees are refundable.
2. Canceled class: Should the college cancel a class for which a student has paid his fees, all of the fees charged for that class will be refunded.

GENERAL REGULATIONS

RESPONSIBILITY FOR REGULATIONS

All students are held responsible for the observance of all regulations and policies contained in this catalog. Students are also held responsible for announcements made through the student bulletin and other official publications of the college. Students are encouraged to familiarize themselves with the contents of the entire catalog.

REGISTRATION

Students are required to register for each semester. Students who complete their registration after the prescribed date are charged a late registration fee of \$10.

New or entering students are required to report for pre-registration orientation, counseling, and testing on the dates as announced.

ATTENDANCE

Regular attendance is required of all students except in extreme emergencies. No set number of class absences are authorized. Students who absent themselves unnecessarily will be reported to the Dean of Student Personnel by the instructor. A warning letter is sent to the

student so reported, with a copy to his parents (if he is under 21), and a copy to his faculty advisor. Additional absences from class may require the withdrawal with a failing grade.

Students who can anticipate absences should contact their instructor prior to the absence if at all possible. Should this be impossible, the student should see the instructor as soon after the absence as possible to explain his absence and make up the work.

A student who is absent for as many as ten (10) consecutive class days will be readmitted only by submitting a special petition to the Admissions Committee. Any student so readmitted may be required to reduce his academic load.

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 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 the Dean of Student Personnel. 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.

DROPPING AND ADDING CLASSES

Classes may be dropped and added within the time limitations as set forth in the college calendar. Students must obtain a form from the Registrar's office and secure the permission of his advisor, instructor, and Dean of Student Personnel in this order before the class may be dropped or added. After the date specified a \$1 drop fee is charged for each class dropped.

WITHDRAWAL FROM COLLEGE

Full-time students desiring to withdraw from college must obtain the necessary form from the Registrar's office, obtain the signature of his advisor, the Librarian, the Business Manager, the Bookstore, and the Dean of Student Personnel. A full-time student is not considered withdrawn until this form has been completed and turned in to the Registrar. A student who does not complete his withdrawal and is reported for excessive class absences will receive a grade of "F" in each course.

Part-time students are expected to withdraw in person with the Registrar or write a letter requesting withdrawal from a course or from the college. The student will not be considered as withdrawn until this has been accomplished.

ACADEMIC PROBATION

Academic Probation refers to conditions that a student must meet in order to remain in Indian River Junior College.

"Admitted on probation" denotes that a student must maintain a certain grade-point average for the first semester enrolled in order to remain a student or to enroll for the next semester. A student who is entered on probation is so notified by letter of the terms of the probation and when he registers he automatically accepts the terms of the probation.

A full-time student failing to maintain a 1.6 ("D" plus) scholastic average for any semester (though not subject to scholastic suspension) will be placed on probation for the next semester. Should the student fail to maintain a 1.6 grade-point average, he will be subject to suspension for one semester.

A student on academic probation will not be permitted to register for more than 12 academic semester hours except on the recommendation of his faculty advisor and the approval of the Dean of Student Personnel.

ACADEMIC SUSPENSION

Academic suspension is the action taken by the college to suspend or drop a student from the college because of poor scholarship.

A probationary student failing to make a 1.6 grade-point average during the semester that he is on probation is subject to academic suspension. A student so suspended is eligible for readmission on probation after one semester.

The privilege of appeal is provided the suspended student. The student is required to write a letter to the Admissions Committee explaining his appeal to be readmitted and will appear before the Committee in person should the Committee so desire.

A student suspended for poor scholarship for the second time from Indian River Junior College will be suspended for one year and must apply to the Admissions Committee for readmission.

GRADING SYSTEM

Mid semester grades are mailed to the student at the end of the eighth week of each semester. Warning letters may be sent by the instructor through the Registrar to the parent and/or student at any time the instructor feels that the student is doing unsatisfactory work.

Final grades are forwarded to the student and parents shortly after the completion of each semester and summer school.

The following system of grading is used:

A — Excellent—4 quality points per semester hour

- B — Good—3 quality points per semester hour
- C — Average—2 quality points per semester hour
- D — Poor, but passing work—1 quality point per semester hour
- F — Failure—No quality points
- W — Withdrawal from course without penalty; no credit or quality points are assigned
- Au — Audit—Student enrolled as a non-credit student
- I — Incomplete—Work must be made up within the next semester to obtain credit. An incomplete grade that is not completed within this semester becomes an F.

A student who unofficially discontinues a course without officially withdrawing will receive a grade of "F" in the course.

Grades of "A", "B", and "C" are satisfactory. A grade of "F" is unsatisfactory. A grade of "D" is satisfactory for graduation purposes; however, most colleges and universities will not accept a "D" as transfer credit.

The student's grade or quality-point average is the number of semester hours that a student attempts divided into the number of quality points earned. An overall grade-point average of at least 2.0 must be acquired to meet graduation requirements. An example of computing a grade-point average for a semester's work is as follows:

Subject	Grade	Semester Hours	Quality Points
English 101	B	3	9
Biology 111	B	4	12
Mathematics 105	F	3	0
History 101	B	3	9
Psychology 101	A	2	8
Physical Education 101	A	1	4
		<hr/> 16	<hr/> 42

Grade-point average is 42 divided by 16 equals 2.625

A student who repeats a course is awarded the most recent grade for that course even though this grade may be lower than the previous one; however, both grades are recorded on the student's permanent record. Although credit is awarded only once for a repeated course, the semester hours attempted and quality points are included in the student's overall average each time that the student attempts a course.

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.

DEAN'S LIST

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

PHI THETA KAPPA SOCIETY

The Nu Iota Chapter of this National Scholarship Society received its National Charter on April 22, 1964. The purpose of this Society is to promote scholarship, develop character and cultivate fellowship among the students of the Junior Colleges. Invitation to membership is extended those students who have maintained a scholastic average of 3.0 (B) or higher for three consecutive semesters of attendance at Indian River Junior College.

CLASSIFICATION OF STUDENTS

A student who has less than 24 semester hours credit is classified as a Freshman. A Sophomore is a student who has 24 or more but less than 64 semester hours credit. Any student who has more than 64 hours, holds a degree, or is taking courses as an Audit Student is classified as a special (unclassified) student.

A full-time student is one enrolled for twelve or more semester hours, whereas a part-time student is one enrolled for less than twelve semester hours.

STUDENT ACADEMIC LOAD

1. The minimum load for a full-time student is 12 semester hours per semester. Veterans, in order to qualify for a full-time training status, must register for 14 or more semester hours.
2. The normal load for a Freshman student is 16 or 17 semester hours. With special approval and written permission from the faculty advisor and Dean of Student Personnel, a student may register for more than 18 semester hours.

SUMMER SESSION

The Summer Sessions last for a period of six weeks as indicated in the calendar in the front of the catalog. Courses are offered based on student requirements and usually are general education courses with a few electives. The courses offered during the summer are based on

student requirements. In the past the following courses have been offered:

Education	180	Mathematics	105
Education	200	Mathematics	106
English	101	Psychology	201
English	102	Bio Science	111
English	220	Bio Science	112
Humanities	201	History	101
Humanities	202	History	102
Soc. Science		111	

The maximum load for Summer School is 9 semester hours.

Admission requirements and costs:

Students entering college for the first time must meet the requirements of students for the regular semester sessions.

Students who are attending college elsewhere must provide Indian River Junior College with a "statement of good standing" from their institution which includes permission to enroll in specific courses at Indian River Junior College. Credit will not be given until this requirement has been met.

The cost for the summer session is \$8.00 per semester hour and \$5.00 registration fee. Laboratory courses require an extra lab fee for each course, the same as in the regular sessions.

Students from other institutions are requested to obtain permission from their colleges early to attend the summer session in order to avoid registration difficulties.

STUDENT PERSONNEL SERVICES

GUIDANCE AND COUNSELING

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

Each full-time student is assigned a faculty member who serves that student as an advisor during his enrollment in the college. The faculty advisor assists the student with selecting a particular program of studies which will help him attain maximum growth according to his particular needs. The college provides a staff of professional counselors who work with individual students, both full and part-time, concerned with problems of a personal, vocational, or academic nature.

TESTING

A series of placement tests is given to all students enrolling for the first time at Indian River Junior College. The results of these tests are used by advisors during the pre-registration period to assist students

in planning their programs of study. Test results are not used as a basis for determining entrance or elimination of students.

HOUSING

The College assumes no responsibility for student housing; however, listings for private rentals are made available through the student personnel office. New apartment-dormitory type facilities, owned and operated by a private organization, are available within close proximity of the Campus.

ORIENTATION

All new full-time students are required to participate in the orientation program. The purpose of the program is to acquaint the student with the administrative personnel, faculty, and student leaders. The rules, policies, and privileges of the college are discussed as contained in the Student Handbook. Informal social activities with fellow students and faculty members are included in the program of orientation.

SCHOLARSHIPS, LOANS, AND STUDENT AID

A number of scholarships are offered to students attending Indian River Junior College by civic organizations, service clubs, and individual donors. These scholarships are awarded on the basis of need and academic ability. Students interested in scholarship details are requested to write the Dean of Student Personnel for information.

Indian River Junior College is a participant in the National Defense Student Loan Program. The purpose of this loan program is to provide financial assistance to all full-time college students who have proof of such need. Special consideration is given to students with a superior academic background and to those expressing a desire to teach in elementary or secondary schools in preparation for science, mathematics, engineering, or a foreign language. Applications are available from the Dean of Student Personnel. Deadline dates for applications are as follows:

Fall Semester	August 1
Spring Semester	December 15
Summer Session	May 1

The college also participates with the Florida Student Scholarship and Loan Commission of the Florida State Department of Education. This loan is limited to residents of the State of Florida and is provided for the payment of registration fees only.

A number of opportunities for student work exists on the college campus. Deserving and industrious students are placed in administrative offices and various departments of the college. Application for student employment should be made through the Office of the Dean of Student Personnel.

SOCIAL ACTIVITIES

The social development of the student is enhanced by a series of formal and informal events scheduled throughout the school term. 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

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

The college newspaper, "Pioneer Post," is published under the direction of the student publication board.

College Chorale: The College Chorale is a combined activity course for which one semester hour credit is given. The Chorale takes part in assembly programs and makes public appearances deemed appropriate by the Director.

Student Government Organization: The Student Government Organization is composed of elected officers and representatives from the entire full-time student body. The function of this organization is to plan social activities, to present helpful student suggestions to the Administration, to assist in the preparation of the student activities' budget, and to act in an advisory capacity to the student body.

INTRAMURAL SPORTS PROGRAM

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

The success of the 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. Each student is encouraged to take full advantage of the opportunities provided in this program in order to develop and maintain himself as a well-rounded student.

INTERCOLLEGIATE ATHLETICS

Indian River Junior College expects to participate in all intercollegiate athletics as enrollment, facilities, and financial support will permit. Intercollegiate basketball and baseball started during the 1964-65 academic year. Students interested in participating in these sports should contact the Physical Education Department. Competitive sports are offered as a part of the Intramural Program. A limited number of athletic scholarships (tuition and books) are available for qualified students.

GENERAL EDUCATION PROGRAM

PROGRAM STATEMENT OF PURPOSE

General education is that combination of subjects and activities at the freshman and sophomore levels of college that are considered essential for effective participation of a citizen in his community regardless of his role in the community. While providing these needed common understandings, skills, and competences, 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. Therefore a course of study should include appropriate academic subjects and supplementary activities 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 calibre. Implicit in this philosophy is the recognition that general education is here defined only in terms of what can be done to assist the individual to an initial and expanding achievement of his fullest potential.

OBJECTIVES OF GENERAL EDUCATION

- To foster an understanding of cultural heritage—
- To develop citizenship—
- To broaden skill in communications—
- To encourage critical thinking—
- To stimulate creativity—
- To enhance physical development—
- To develop moral and spiritual values—
- To enhance the comprehension of the total environment—

GENERAL EDUCATION REQUIREMENTS FOR ASSOCIATES IN ARTS DEGREE

English*	6 semester hours
Mathematics	3 semester hours
Social Science**	9 semester hours
Natural Science***	8 semester hours
Essential Psychology****	2 semester hours
Humanities*****	8 semester hours
Physical Education*****	4 semester hours
Total.....	40 semester hours

* The English requirements shall be met through completion of Eh 101 and Eh 102.

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

******* The Natural Science requirement shall be met by 8 semester hours of either General Biology, Physical Science, or approved substitutes at a more advanced level.

******** Transfer students who have successfully completed 12 or more semester hours are not required to include Psychology 101 in their program; however, it is strongly recommended that they enroll in Psychology 201 during one semester in college.

********* 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, Hs 204 (Philosophy)—2 semester hours.

Six semester hours in either Eh 201 and 202, Eh 215 and 216 or Eh 224 and 225 will satisfy the Hs 202 requirement.

********* Four semester hours of physical education must be completed by all students. 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. Students who cannot participate in the regular physical education classes will present a medical certificate to this effect and are required to enroll in an adaptive physical education program. Students thirty years of age and older, or part-time students, may meet the physical education requirements in the regular program by taking related courses upon the advisement of the physical education department and the Dean of Student Personnel.

The physical education graduation requirement may be met through normal class participation and/or through special exemption tests which are administered each semester in the various activities. Credit may be earned for each physical education course exempted. Pe 101 may not be exempted.

DEGREE REQUIREMENTS FOR GRADUATION

Indian River Junior College grants two degrees, the Associate in Arts for students who are in the college transfer programs and the Associate in Science for students pursuing a two year terminal program in either Business or Technical Education. For the award of the Asso-

ciates in Arts degree a student must complete the General Education requirements previously listed, in addition to sufficient elective courses for a minimum of 64 semester hours, the last 20 of which must be taken at the Indian River Junior College. The student's grade point average must be at least 2.0 ("C") on work attempted at Indian River Junior College. It is the responsibility of the student to be sure that the graduation requirements are met. The requirements for the award of the Associate in Science degree are as listed in the prescribed programs of the Business and Technical Education.

ADVANCED PLACEMENT — CREDIT PROGRAM

Indian River Junior College participates in the Advanced Placement Program which is administered by high schools through the Education Testing Service, Princeton, New Jersey.

Under this system a student entering the college offers a nationally graded examination as evidence of his completion of a college level course taken in high school. When the results of the examination meet the minimum requirements, the student may receive college credit for courses offering similar material. In some cases, only exemption from a course, not credit, is available. In either case, the student is assured that the college takes full cognizance of the advanced work done previous to his entrance.

ADVANCE PLACEMENT — NON-CREDIT PROGRAM

Frequently, a superior student, particularly in the fields of science, mathematics and foreign languages, is allowed to enter advanced courses in those subjects. Before permission is granted to do so, the student is required to take a special examination to determine whether or not he actually has the knowledge and competency to succeed in these advanced courses.

DIRECTED INDEPENDENT STUDY

Students wishing to take approved college courses by independent study must contact the instructor of the course prior to registration and complete a written contract. A copy of the contract will be forwarded to the Director of Academic Affairs for final approval. The contract will specify the requirements to be completed by the student including tests, periodic class attendance, term papers, etc. The student must complete all requirements of the contract to obtain credit for the course.

The regular grading system applies to all independent study students. Grades earned by independent study have the same status as those acquired through regular class attendance.

SUGGESTED PROGRAMS OF STUDY ASSOCIATE IN ARTS DEGREE

The following pages outline certain degree guides for students who are planning to transfer to a four-year college or university. These outlines suggest a sequence in which the various courses may be taken. Students may select their own courses and sequences; however, courses are scheduled each semester based on the sequence in the suggested guides.

Students planning to transfer should obtain a catalog from the four-year college of their choice in order to determine early in their college careers the entrance and degree requirements of the higher institutions.

LIBERAL ARTS

This program is designed 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. Two years of a foreign language is strongly recommended.

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
BioSci. 111 or Phy Sci. 101	4	BioSci. 112 or Psy Sci. 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	Elective	3
Foreign Language	3	Foreign Language	3
	16		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Mathematics	3	Physical Education	1
Physical Education	1	English Course	3
English Course	3	Foreign Language	3
Foreign Language	3	Mathematics (or Elec.)	3
Social Science 111	3	Elective	3
	17		17

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 Civiliza- tion 101	3	Business 231	3
Physical Education 101	1	History of Western Civiliza- tion 102	3
Essential Psychology	2	Physical Education 102	1
Mathematics 106	3	Mathematics 107	3
Elective	1		
	<hr/>		<hr/>
	17		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
BioSci. 225	4	BioSci. 226	4
SocSci. 111	3	Chemistry 102	4
Chemistry 101	4	Humanities 203-204	4
Humanities 201-202	4	Physical Education	1
Physical Education	1	Agriculture 221	3
Agriculture 206	3	Elective	3-4
	<hr/>		<hr/>
	19		19-20

* Students scoring unsatisfactory on science placement tests should substitute BioSci. 111 and 112.

PRE-BUSINESS ADMINISTRATION

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
BioSci. 111 or PhySci. 101	4	BioSci. 112 or PhySci. 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	Elective	3
Elective	0-3		
	<hr/>		<hr/>
	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	1
Physical Education	1	English 220 (Speech)	3
Social Science 111	0-3	Bus. 232 (Economics)	3
	<hr/>		<hr/>
	14-17		17

PRE-EDUCATION

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

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
BioSci. 111 or PhySci. 101	4	BioSci. 112 or PhySci. 102	4
History of Western Civilization 101	3	History of Western Civilization 102	3
Mathematics	3	Psychology 201	3
Essential Psychology 101	2	Physical Education 102	1
Physical Education 101	1	Elective	3
	<hr/>		<hr/>
	16		17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
SocSci. 111	3	Psychology 205	3
Education 180 (Intro.)	3	Physical Education	1
English 220 (Speech)	3	Elective	6-9
Physical Education	1		<hr/>
Elective	3-4		14-17
	<hr/>		
	17-18		

PRE-ENGINEERING, MATHEMATICS AND SCIENCE

The semester in which several of the courses may be taken is subject to modification to suit student need, including attendance during the Summer Sessions. Because Colleges differ somewhat in their required subjects during the first two years certain modifications may be made, subject to recommendations suggested by the institution to which the student plans to transfer.

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
Mathematics 108	5	Mathematics 205	5
History 101	3	Mathematics 109	1
Chemistry 101	4	Chemistry 102	4
Psychology 101	2	History 102	3
Physical Education 101	1	Humanities 201	2
	<hr/>	Physical Education 102	1
	18		<hr/>
			19

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 202	2	Humanities 203-204	4
Mathematics 206	5	Mathematics 207	5
Physics 201	4	Physics 202	4
Engineering Graphics I	3	Engineering Graphics II	3
Social Science 111	3	Physical Education	1
Physical Education	1	Elective	0-2
	<hr/>		<hr/>
	18		17-19

PRE-MEDICAL

All students planning to study Medicine, Dentistry, Pharmacy, Nursing or Veterinary Medicine should consult the College Guidance Office 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 College Guidance Office 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.

NURSING

Beginning with the fall semester, 1965, the College will offer a two-year program in Nursing, leading to an Associate Degree. Graduates are eligible to take the state examination for licensure to practice as Registered Nurses.

GENERAL COLLEGE PROGRAM

The program outlined below is designed for those students who do not have a definite educational objective. This program is so organized to meet the General Education Requirements of the college with sufficient electives to permit the student to explore various fields of interests. Should the student later decide to transfer to a four-year college, the courses taken under this program are transferable to the higher institution.

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English 101	3	English 102	3
Science Course	4	Science Course	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	Elective	3-6
Mathematics	3		
	<hr/>		<hr/>
	16		14-17

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Physical Education	1	Physical Education	1
English Course (or Elec.)	3	English Course (or Elec.)	3
Elective	3-7	Elective	6-10
Social Science 111	3		
	<hr/>		<hr/>
	14-18		14-18

TERMINAL BUSINESS PROGRAMS

The two programs listed below (General Business and Secretarial Science) are designed for those students who definitely do not have plans to continue their educations beyond the two-year level. Upon successful completion, they will prepare the students to enter the business field.

These two programs lead to the Associate in Science degree and are not primarily designed for transferring to a four year institution. Students in this program must complete the courses as listed unless individual approval has been obtained in writing from the Registrar.

GENERAL BUSINESS

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	Natural Science	4
Natural Science	4	Business 121 (Introd.)	3
Mathematics 105	3	Mathematics 120	3
Physical Education 101	1	Physical Education 102	1
	<hr/> 16		<hr/> 17

Second Year

2nd Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Humanities 201-202	4	Humanities 203-204	4
Bus. 221 (Law)	3	Bus. 202 (Accounting)	3
Bus. 101 (Typing)	3	Bus. 222 (Law)	3
Bus. 231 (Economics)	3	Bus. 232 (Economics)	3
Bus. 201 (Accounting)	3	English 220 (Speech)	3
Physical Education	1	Physical Education	1
Elective	0-3	Elective	0-3
	<hr/> 17-20		<hr/> 17-20

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 150	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	Economics 231	3
Business 121 (Int. to Bus.)	3		<hr/> 16
	<hr/> 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	1
Physical Education	1	Business 221 (Law)	3
Science (or elective)	3-4	Science (or elective)	3-4
Business 211 (Dict. & Trans.)	3	Business 250 (Off. Prac.)	3
	<hr/>		<hr/>
	17-18		17-18

ONE-YEAR STENOGRAPHIC COURSE

This one-year terminal course does not lead to graduation from college. All courses included could be used, however, if the student desired to continue for a two-year terminal course or a two-year transfer course. It is intended to equip the student to do stenographic or clerical work, with a minimum of 45 words a minute in typewriting and 80 words a minute in shorthand. Persons completing this course with a quality point average of at least 2.0 will be entitled to receive a certificate.

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
English (Eh 101)	3	English (Eh 150)	3
**Shorthand (Bus. 111)	3	Shorthand (Bus. 112)	3
Typewriting (Bus. 101)	3	Typewriting (Bus. 102)	3
Accounting (Bus. 201)	3	Office Practice (Bus. 250)	3
*Elective	3-4	*Elective	3-4
	<hr/>		<hr/>
	15-16		15-16

* Suggested Electives

Pe. 101 – Physical Education

Pe. 102 – Physical Education

Bus. 121 – Introduction to Business

Bus. 211 – Dictation and Transcription

Bus. 221 – Business Law

Bus. 231 – Economics

Ms. 105 – Basic Mathematics

Soc. Sci. 111 – The Introduction to the Social Sciences

** Students who have not taken high school typewriting will register for Bus. 101. Students who have successfully completed one year of high school typewriting are to consult with the typing instructor to determine which course they are to take.

Students who have successfully completed one year of high school shorthand are to consult with the instructor prior to determining in which shorthand course they should enroll. Students who have successfully completed two years of high school shorthand can register for Bus. 211 (Dictation and Transcription) or one of the suggested electives.

Anyone who has successfully completed two years of high school typewriting and shorthand can register in one of the advanced courses (typing or shorthand) for the refresher value on an audit basis.

TECHNICAL EDUCATION

Technical education programs are those programs designed to reflect the needs of business and industry in this area of Florida. These programs are vocationally oriented and generally involve one, two, or more years of study at the college level.

The primary purpose of these courses is to prepare the student for employment in the technical field immediately upon graduation. While some of the courses are transferable to a four-year college or university, the primary purpose is not for transferring. The student should thoroughly understand this at the beginning of his technical education.

GENERAL EDUCATION REQUIREMENTS FOR A.S. DEGREE

The general requirements for all technical programs leading to the Associate in Science Degree in Drafting Technology and Electronics Technology are as follows:

Essential Psychology	2 semester hours
Graphic Science*	6 semester hours
Physical Science**	8 semester hours
Mathematics***	6 semester hours
Communication****	6 semester hours
Social Science*****	6 semester hours
Physical Education	2 semester hours

* The Graphic Science requirement may be met by completing Eg Sci 111, Eg Sci 112 or Eg Sci 101, Eg Sci 102.

** The Physical Science requirement may be met by completing 8 semester hours of Cy 101, Cy 102, of Phy Sci 101, Phy Sci 102; or Phys 201, Phys 202.

*** The Mathematics requirement may be met by completing Ms 105, Ms 106, or Ms 106, Ms 107, Ms 109.

**** The Communications requirement may be met by completing Eh 101 (or Eh 101X), and one of the following: Eh 150, Eh. 102.

***** The Social Science requirement may be met by completing Hy 102 and one of the following: Hy 101, Soc. Sci. 111, Soc. 150, Geog. 201, Pol. Sc. 201, 202; Bus. 231, 232.

REQUIREMENTS FOR GRADUATION FOR A.S. DEGREE

Requirements for graduation and the granting of the Associate in Science degree are as follows: (a) the student must successfully complete a minimum of 64 semester hours credit, (b) maintain a scholastic average of "C" (2.00) or better on all courses attempted, (c) complete his last semester of college work (20 semester hours credit) at Indian River Junior College, (d) fulfill the General Education requirements for the Associate of Science degree or complete one of the prescribed technical programs, (e) successfully complete 18 to 23 semester hours of technical courses as listed in either of the prescribed technical programs below, (f) successfully complete 4 to 10 semester hours of electives, other than General Education electives. The electives may be chosen from Arts and Sciences courses or from other technical courses not listed in the prescribed program.

TECHNICAL EDUCATION PROGRAMS

DRAFTING TECHNOLOGY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Communication Elective	3
Science	4	Science	4
Mathematics	3	Mathematics	3-4
Graphic Science	3	Graphic Science	3
Psy. 101	1	Hy. 102	3
Phsy. Ed. 101	1	Phys. Ed. 102	1
	<hr/> 15		<hr/> 17-18

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Advanced Drawing	6	Advanced Drawing	6
Surveying	3	Surveying	3
Soc. Sci. Elective	3	Elective	6-7
Elective	3		<hr/> 15-16
	<hr/> 15		

ELECTRONICS TECHNOLOGY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eh. 101	3	Communications Elective	3
D.C. Circuits	4	A.C. Circuits	4
Mathematics	3	Mathematics	3-4
Graphic Sci.	3	Graphic Sci.	3
Psy. 101	2	Hy. 102	3
Phsy. Ed. 101	1	Phys. Ed. 102	1
	<hr/> 16		<hr/> 17-18

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Eg. E 211	3	Eg. E 202	4
Eg. E 201	4	Eg. E 203	4
Science	4	Science	4
Soc. Sci. Elective	3	Electives	4-5
	<hr/> 14		<hr/> 16-17

CITRUS TECHNOLOGY

First Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
Psy. 101	2	Horticulture	3
Eh. 101	3	Communications Elective	3
Technical Mathematics	3	Tech. Mathematics	3
Bio. Sci. 111	4	Bio. Sci. 112	4
Chemistry 101	4	Chemistry 102	4
Phys. Ed. 101	1	Phys. Ed. 102	2
	<hr/> 17		<hr/> 18

Second Year

1st Semester	Sem. Hrs.	2nd Semester	Sem. Hrs.
General Botany	4	General Botany	4
Farm Machinery	3	Agri. Management	3
Soil Science	3	Harvesting and Marketing	3
Agri. Economics	3	Insect and Disease Control	3
Citrus Culture	3	Citrus Culture	3
	<hr/> 16		<hr/> 16

CERTIFICATE PROGRAMS

Indian River Junior College offers the following short program leading up to the granting of a "Certificate of Electronics Technology." The purpose of this program is to grant a certificate of completion to those students who do not wish to complete the requirements for the Associate in Science degree, but do wish to become proficient in the field of Electronics.

CERTIFICATE PROGRAM IN ELECTRONICS TECHNOLOGY

Technical Math (GT 105-106)	6 hrs.
Technical Drawing (GT 111-Eg E 211)	6 hrs.
Basic Electrical Circuits (Eg E 101-102)	8 hrs.
Electronic Circuits (Eg E 201)	4 hrs.
Radio Circuits (Eg E 202)	4 hrs.
Television Circuits (Eg E 203)	4 hrs.
Transistors (Eg E 204)	4 hrs.
Total	<hr/> 36 hrs.

ADULT COMMUNITY SERVICE PROGRAMS

GENERAL STATEMENT

Indian River Junior College offers numerous non-credit courses for adults in the four county service area. Classes include areas of General Education, Vocational, Business, Trade & Industrial Education, Home Economics, Technical Education, and areas of special interests. Many short term workshops are offered as a public service in areas of community interest.

Arrangements may be made for community service extension courses to be offered to special groups in business, industry, or communities. The Adult Education extension service is now operating in Fort Pierce, Vero Beach, Port St. Lucie, and Okeechobee.

Most of the classes are held in the evenings, Monday through Friday. Other times and days may be utilized depending upon student needs and desires. Course offerings vary in the length from 6 to 14 weeks, depending upon the content. There is a \$3.00 registration fee for each course.

COURSE OFFERINGS

College-level Technical and Vocational non-credit courses are available to adults in the community who wish to improve themselves or seek new roads of endeavors through organized study. The following courses are among those which can be offered during a semester when there is sufficient demand.

Auto Mechanics
Bookkeeping
Business English
Carpentry
Drafting
Electronics
Home Decoration
Plumbing
Radio Communications

Residential Electrical Wiring
Restaurant Management
Secretarial Office Practice
Sewing
Shorthand
Technical Illustration
Typing
Waitress Training

The Adult Community Service Program offers high school credit courses for those seeking to complete their high school education in the areas of Science, Mathematics, Social Science, English and Business Education. The program also has a course of study designed to prepare adults over 20 years of age to take the General Education Development test. Upon successful completion of the G.E.D. test, the adult is issued a State High School Equivalency Diploma. Guidance personnel are available to assist students in planning a program. On the basis of a diploma earned by either of these two methods, a student may enter the regular college courses and earn credit towards a degree.

ADULT PERSONAL IMPROVEMENT & GENERAL INTEREST COURSES

The adult student who wishes to follow a self improvement study plan may choose from any of the following intellectual and cultural development offerings.

Art
Conversational Languages
Creative Writing
Current Affairs Workshop
Dramatics
Home Landscaping
Law for the Layman

Literature
Music
Natural Sciences
Psychology
Reading Improvement
Safety Education
Securities & Investment

65108

GENERAL INFORMATION

The following are the official catalog abbreviations used by the college:

Ag. (Agriculture)	Hy. (History)
Art (Art)	Hs. (Humanities)
Bio. Sci. (Biological Science)	Jm. (Journalism)
Bus. (Business)	Ms. (Mathematics)
Cy. (Chemistry)	Mu. (Music)
Ec. (Economics)	Pe. (Physical Education)
HE. (Home Economics)	Phil. (Philosophy)
Ed. (Education)	Phys. Sci. (Physical Science)
Eh. (English)	Phys. (Physics)
Eg. Sci. (Engineering Science)	Pol. Sci. (Political Science)
Fr. (French)	Psy. (Psychology)
G.T. (General Technology)	Rus. (Russian)
Geog. (Geography)	Soc. Sci. (Social Science)
Ger. (German)	Soc. (Sociology)
He. (Health)	Span. (Spanish)

Catalog numbers ending with the numeral (1) indicate that the course is ordinarily to be considered as the first part of a continuation course consisting of two semester's work; the catalog number of the second part of the course ends with the numeral (2).

Courses numbered 100 through 199 are primarily for Freshmen; courses numbered 200 through 299 are primarily for Sophomores. However, there are no restrictions concerning taking certain courses except the noted prerequisites. In general, courses requiring no prerequisites are open to all students regardless of the catalog number.

COURSE OFFERINGS

AGRICULTURE

AG. 201. Soils Science. 3 credits.

A study of the properties of, classification of, and utilization of basic Florida soils.

AG. 206. Principles of Horticulture. 3 credits.

A study of the fundamental principles underlying the commercial production of horticulture crops and basic plant propagation.

AG. 211. Selection and Maintenance of Farm Machinery. 3 credits.

A study of basic farm machinery including selecting, purchasing, operating, calibrating and repairing.

AG. 221. Principles of Agricultural Economics. 3 credits.

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

AG. 222. Principles of Agricultural Management. 3 credits.

A study of the management process as it relates to personnel, accounting and cost analysis in the field of agriculture.

AG. 226. Harvesting and Marketing. 3 credits.

A study of the way agricultural goods move from the producer to the consumer.

AG. 231. Introduction to Citrus Culture. 3 credits.

An introduction to the origin and history of the citrus industry, propagation of citrus, planning and developing of a young grove.

AG. 232. Principles of Citrus Culture. 3 credits.

A study and care of maintenance of a mature citrus grove including nutrient elements and the effect on growth, soil and climate factors, and fruit quality factors.

AG. 236. Citrus Pest Control. 3 credits.

A study of the identification of insects, mites and other diseases of citrus including preventive and control measures.

AG. 241. Introduction to Principles of Vegetable Production. 3 credits.

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

AG. 251. 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. 256. 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.

ART

Art 101. Introduction to Art. 3 credits.

A basic course for the student who wishes to choose art for a major or an elective. The course is designed to enable more effective living through the exploration of art and its relation to man in everyday experiences, to stimulate and deepen the appreciation and understanding of the visual arts, and to acquaint the student with the fundamentals necessary for studio work.

Art 111. Color and Design. 3 credits. 6 hours.

A course emphasizing the fundamentals of visual organization and color. Experimentation in various two-dimensional design media.

Art 112. Color and Design. 3 credits. 6 hours.

A continuation of Art 111. Prerequisite: Art. 111.

Art 130. Introduction to Painting. 3 credits. 6 hours.

A course designed to acquaint the student with basic oil painting techniques.

Art 231. Painting. 3 credits. 6 hours.

A continuation of Art 130 with emphasis on theory. Experimentation with various painting media. Prerequisite: Art 130 or consent of the instructor.

Art 232. Advanced Painting. 3 credits. 6 hours.

Emphasis on development of individual technique. Practice and theory. Prerequisite: Art 231.

Art 220. Introduction to Ceramics. 3 credits. 6 hours.

A course designed to acquaint the student with the fundamentals of pottery making. Experimentation and exploration with basic clay and glaze formulas. Prerequisite: Consent of the instructor.

Art 221. Ceramics. 3 credits. 6 hours.

A continuation of Art 220. Emphasis on creativity. Prerequisite: Art 220.

Art 290. Individual Problems in Art. 3 credits.

Directed independent study in the areas of Art. A special course designed to offer the student an opportunity to pursue special areas of interest in art. Application to do work in Art 290 must be filed with the instructor who is to direct the study in advance of registration. A contract will be presented to the Director of Academic Affairs prior to registration.

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. This course is 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, 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.

An introductory study of business law with emphasis on the purpose and logic of law as well as principles and rules. The first semester relates to the sources of law, contracts, agency and employment, negotiable instruments, personal property and bailments, and the law of sales.

Bus. 222. Business Law. 3 credits.

A continuation of Bus. 221 with emphasis on partnerships, corporations, real property, insurance, security, bankruptcy, trusts and estates, and government regulations.

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 under-

standing 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 course designed to help potential salesmen gain an understanding of a salesman's role in business, as it relates to himself, his company, and his customer. Role playing and audio-visual aids are employed to develop sales techniques.

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.

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

Bus. 255. Personnel Management. 3 credits.

A course designed to emphasize the philosophies and policies of personnel management programs. A broad understanding of current executive managerial techniques is emphasized. Case study methods are employed to develop critical evaluation of these techniques and their applications.

Bus. 260. Human Relations in Business. 3 credits.

A course designed for the development and improvement of the individual student's personal qualities in his preparation for the business world. Through the process of group discussion each student will be able to analyse critically and to arrive at solutions to various types of problems that arise in the business world as they relate specifically to the human factor.

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.

Ed. 200. Social Foundation of Education. 3 credits.

An introductory study of the social structures, forces, values and

the ways in which they affect the individual and the educational process. Emphasis is placed on appraising the effect of these forces as they relate to the school.

ELECTRONICS

Eg E 101. Direct Current Circuits. 4 credits.

Basic principles of direct current circuits, laws, and theorems—including emphasis on use of series and parallel electrical circuits, inductance, capacitance, electromagnetism, and electrical measurement.

Eg E 102. Alternating Current Circuits. 4 credits.

(Prerequisite Eg E 101; Corequisite Ms 111.) Basic principles of alternating current circuits emphasizing inductive and capacitive reactance, series and parallel resonance, and transformer theory.

Eg E 201 Fundamentals of Electronics. 4 credits.

(Prerequisite Eg E 102.) Fundamental operation of electron tubes and their use in power supplies, amplifiers, and oscillators.

Eg E 202. Electronic Circuits and Systems. 4 credits.

(Prerequisite Eg E 201.) Radio receiver and transmitter circuits including FM and single side Band.

Eg E 203. Advanced Electronic Circuits. 4 credits.

(Prerequisite Eg E 201.) Special electronic circuits leading up to and including a study of television transmitters and receivers.

Eg E 204. Transistor Electronics. 4 credits.

(Prerequisite Eg E 201.) Transistor fundamentals; amplifier circuits, oscillator circuits, pulse type circuits and their application into transistorized systems.

ENGLISH

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 oral analysis through critical and creative discussion of the modern essay and the writing of short units of composition efficiently and effectively, with an emphasis on methods, relevancy, logic, and the adequacy of organization and development, and more especially the relationship of content to form.

Eh. 102. Communications. 3 credits.

Guided analysis of humanistic ideas in selected literary works from the areas of poetry, drama, short story, and novel, and the training of effective writing ability through the integrated application of the principles of structure, development, and thought in fully expanded units of purposive composition. Prerequisite: Eh. 101-x or Eh. 101.

Eh. 150. Communication for Business and Industry. 3 credits.

A course designed to aid the student to produce effective business letters of all types. The writing of business reports emphasizing format and construction is also stressed. A review of the basic tools of grammar, punctuation, and vocabulary is given particular emphasis.

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 Samuel Johnson.

Eh. 216. English Literature. 3 credits.

A continuation of English 215, from the Romantic Movement to the present.

Eh. 220. Fundamentals of Speech. 3 credits.

Study and training in basic speech skills, including voice, articulation, pronunciation, and bodily action. Continuous practice in extemporaneous speaking and critical listening.

Eh. 221. Fundamentals of Speech. 3 credits.

A continuation of Eh. 220, concerned with development of oral interpretation, public speaking, persuasive speech, the style and vocabulary of conference speaking, and the study and application of parliamentary procedure. Prerequisite: Eh. 220. Prerequisite may be waived with permission of instructor.

Eh. 222. Advanced Composition. 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 of 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 LANGUAGES

First semester language courses are intended for students who have had no previous formal instruction in the language. Students with two years of high school study normally enter the second-year courses on the college level. Exceptions may be made on the basis of placement tests or with the consent of the instructor.

Fr. 101. Elementary French. 4 credits, 1 hour of class daily.

An audio-visual course in spoken French using the situational approach by means of filmstrips and tapes. Grammar is introduced only by means of analysis. Fundamentals of reading and writing are introduced gradually during the semester.

Fr. 102. Elementary French. 4 credits, 1 hour of class daily.

Continuation of Fr. 101, which is a prerequisite. More complex patterns of speech are mastered, and more work is done with the written language.

Fr. 201. Intermediate French. 3 credits.

Continuation of French 102, which is a prerequisite. The audio-visual approach is still used, but Intermediate French puts considerable stress on reading, including some literary material, and on composition.

Fr. 202. Intermediate French. 3 credits.

Continuation of French 201, which is a prerequisite.

Fr. 224. French Culture and Civilization. 3 credits.

A course in advanced French, conducted in the language, stressing the culture and history of French, principally as reflected in the literature. Prerequisite: French 202 or consent of the instructor.

Fr. 225. French Culture and Civilization. 3 credits.

Continuation of French 224, 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.

Ger. 201. Intermediate German. 3 credits.
Introduction to German literature and civilization with continued review of German grammar. Primarily a reading course, but continues drill in active use of the language.

Ger. 202. Intermediate German. 3 credits.
Continuation of German 201, which is a prerequisite.

Rus. 101. Elementary Russian. 4 credits, 1 hour of class daily.
An audio-visual course in spoken Russian using the situational approach by means of filmstrips and tapes. Grammar is introduced only by means of analysis. The Cyrillic script and fundamentals of writing the language are gradually introduced during the first semester.

Rus. 102. Elementary Russian. 4 credits, 1 hour of class daily.
Continuation of Russian 101, which is a prerequisite. More complex speech patterns are introduced, together with considerable grammatical material in spoken form. Extensive elementary reading material is introduced.

Rus. 201. Intermediate Russian. 3 credits.
Continuation of Russian 102, which is a prerequisite. The audio-visual approach is still used, but considerably more emphasis is placed on writing the language, and on grammatical comparisons and elementary reading.

Rus. 202. Intermediate Russian. 3 credits.
Continuation of Russian 201, which is a prerequisite. More complex patterns of speech are mastered, and simple literary material is read.

Span. 101. Elementary Spanish. 3 credits.
The first semester presents grammatical precepts regarding the phonetic principles of the language, verb formation and use, the Spanish sentence structure. Classes are conducted through vocabulary drill, reading and translation of easy prose selections, and practice in developing mastery of pronunciation.

Supplemental use of the language laboratory.

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. 120. Spanish for Elementary Teachers. 3 credits.

This course emphasizes Conversational Spanish at a vocabulary level suited to the interest and ability of students in elementary school. Drill in pronunciation and practice in speaking is included as well as songs and games. This course is designed for teachers in elementary schools which include Spanish in the curriculum.

Span. 121. Spanish for Elementary Teachers. 3 credits.

A continuation of Spanish 120.

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

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

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

Continuation of Spanish 201, which is a prerequisite.

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

Continuation of Spanish 213, which is a prerequisite.

GRAPHICS

Eg. Sci. 101. Engineering Graphics I. 3 credits. 5 hours.

An introductory course designed to improve the ability of the student to communicate ideas graphically using the language, tools, and symbols of graphic science. Topics covered are lettering, applied geometry, orthographic and pictorial drawings and sketches, auxiliary views, sectional views, dimensions and notes, screw threads and fasteners, working drawings.

Eg. Sci. 102. Engineering Graphics II. 3 credits. 5 hours.

A continuation of Eg. Sci. 101. Topics covered include Point and True Length of Lines; edge and normal views of planes; intersection, bearing, and slope of lines and planes; curved lines; curved and warped surfaces; intersections and developments; graphical solutions—charts, graphs, scales, nomography.

Eg. Sci. 111. Technical Graphics I. 3 credits.

A basic course in Graphic Science. Topics include Lettering, Geometric Construction, Orthographic Drawing and Sketching, Pictorial Drawing and Sketching, Dimensioning, and Auxiliary Views.

Eg. Sci. 112. Technical Graphics II. 3 credits.

A continuation of Eg. Sci. 111. Topics include Section Drawings, Fillets & Rounds, Notes and Limits, Screw Threads and Fasteners, Working Drawings, and Assembly Drawings.

Eg. Sci. 113. Technical Graphics III. 3 Credits.

Advanced topics in Technical Graphics. Detail plates are prepared in Gears and Cams, Piping, Structures, and Topography.

Eg. A 211. Architectural Drawing II. 3 credits.

Perspective drawing of architectural structures. Topics include 1-point and 2-point perspectives, interior and exterior perspectives, casting shadows in perspective.

Eg. A 212. Architectural Drafting. 3 credits.

General architectural drafting including drawing of plot plans, floor plans, elevations and rendering of homes and buildings along with a study and use of local building codes, and reading architectural blue print reading.

Eg E 211. Electrical Drawing. 3 credits.

Emphasis is placed on circuit layout and drawing through the use of line and block diagrams, standard symbols, switch board design, achamatic wire diagrams of electrical circuits, motors, generators, and electronic circuits.

Eg M 211. Machine Design. 3 credits.

A study of simple machines and gear systems including some strength calculations. Making assembly and detail drawings, suitable for manufacturing purposes, with emphasis on simplest possible shop operations for cost control.

Eg M 212. Machine Design. 3 credits.

Continuation of Eg M 211, but involving more complex mechanisms and problems.

HEALTH

He. 225. Personal Health. 3 credits.

A study of the principles, problems and practices involved in the improvement of individual health.

HOME ECONOMICS

HE 121. Nutrition 121. 3 credits.

Basic course in Principles of Normal Nutrition for students of

Home Economics or others interested in food for better living. Includes the relation of food to health and the calculation of adequate dietaries.

- HE 131. Elements of Clothing. 3 credits. (2 hours class; 2 hours lab.)**
Pattern selection, fabrics, design and the use of commercial patterns are studied as well as the fundamental techniques of sewing.

HUMANITIES

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

- Hs. 201. (Art) Humanities. 2 credits.**
A study of the major artistic achievements of the world concerned with such special problems as physical appeal, the emotional approach, the narrative factor, art as religious experience, art as visual history, art as intellectual experience, art as symbolic experience, and art as reality.
- Hs. 202. (Literature) Humanities. 2 credits.**
A survey of the literature of Western Civilization designed to increase the student's understanding of the significant and vital ideas of his culture, from a literary point of view.
- 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 relationship 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 composers in the important periods of music. Outside listening is 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 appreciation of the contribution of philosophy in understanding and conserving civilized endeavor.

JOURNALISM

- Jm. 131. College Communications Media. 1 credit. 4 hours.**
Prerequisite: Permission of instructors.
- A. Yearbook Production.** Production of the SIMOC Yearbook to be completed by the staff. Instruction in layout, copywriting, editing, photography techniques, and darkroom pro-

cedure essential to the yearbook will be given in the weekly lecture section with a three hour laboratory session for production, in addition to out-of-class work.

- B. Newspaper Production.** Production of the college newspaper. The staff will be instructed in the fundamentals of reporting, editing, news photography, make-up, and business. The laboratory session and out-of-class time will be used for the production of the newspaper.

Jm. 132. College Communications Media. 1 credit. 4 hours.
Continuation of Jm. 131, A. and B.

Jm. 231. College Communications Media. 1 credit. 4 hours.
Second year of Jm. 131, A. and B, with greater responsibility and further training for these second year students in the areas of journalism and advertising. In addition, these students will assist with college news releases for community news media including newspapers, radio, and television.

Jm. 232. College Communications Media. 1 credit. 4 hours.
Continuation of Jm. 231, A. and B.

MATHEMATICS

(A counseling placement examination will be administered to all Freshmen. Students will be placed according to this test in Ms. 105-X, 105, 106 or 108.)

Ms. 101 Sets, Relations and Functions. 2 credits.

A transitional course designed to upgrade the elementary teacher's understanding of modern mathematics. Topics included are: set theory—operation with sets, algebra of sets; Relations ordered pairs, Cartesian product sets, binary relations, graphs; Functions—value, mapping, composition, inverse functions.

Ms. 105-X. Basic Mathematics. 3 credits. 5 hours per week.

A course parallel to Ms. 105 but designed for those students whose test scores indicate need for extra help.

Ms. 105. Foundations of Mathematics. 3 credits.

This course will fulfill the General Education requirement in mathematics. It is designed to give some insight into the nature and structure of mathematics. It begins with heavy emphasis on symbolic logic stressing arguments and proofs, then introduction to set theory with building up to groups, rings and fields. Number sets are studied commencing with the natural number system, extending to integers, rational numbers, and through the Dedekind cut to the Real Number system. Conditions are imposed on sets in which equations and inequalities are solved. Relations and functions are treated.

Ms. 106. College Algebra. 3 credits.

Topics include set theory, plane sets (straight line and conic sections), functions, graphs of functions, composition of functions, inverse functions, natural numbers, integers, rational numbers, real numbers as the limit of a sequence of rational numbers, complex number system, algebraic functions. 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. 108. College Algebra and Trigonometry. 5 credits.

This course is designed for pre-engineers, mathematics and science majors. Topics include complete description for Ms. 106 with full treatment of the circular trigonometric functions, reduction formulas, graphs, logarithmic and exponential function, addition formulas, groups, isomorphisms, properties of rings, properties of fields.

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. 111. Technical Mathematics I. 3 credits.

Fundamentals of mathematics as applied to modern technology. Topics include Slide Rule, Scientific Notation, and basic topics in Algebra.

Ms. 112. Technical Mathematics II. 3 credits.

A continuation of MS 111. Topics include Exponentials, Logarithms, Trigonometry, Complex Numbers, and Vectors.

Ms. 120. Elementary Statistics. 3 credits.

An introduction to elementary statistical principles. Topics include variability, permutations, combinations, binomial theorem, general theory of probability for finite sample spaces, numbers determined by experiment, random variables, joint distribution and continuous distribution, binomial distribution, statistical applications of probability. Prerequisite: Ms. 105 or Ms. 106.

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

Topics include numbers, inequalities, intervals, graphs of equations, geometry of a line, functions, limits and derivatives, continuity,

differentiation of algebraic functions, implicit differentiation, applications of the derivative (tangent and normal lines, critical points, velocity and acceleration), the conic sections, asymptotes, translation and rotation of axes, the definite integral, areas under a curve, sequences, volume of solids of revolution, work, differentiation of transcendental functions. Prerequisite: Ms. 108 or Ms. 106 and Ms. 107.

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

Topics include derivative or $\ln x$, arc length, inverse trigonometric functions, partial differentiation, elementary formal integration, advanced formal integration (Parts, change of variable, rational functions), differentials, Simpson's rule, centers of gravity, centroids, basic properties of continuous and differentiable functions, Parametric equations, polar coordinates, and applications, Infinite series, Solid analytic geometry, Vectors. Prerequisite: Ms. 205. Fall only.

Ms. 207. Calculus III. 5 Credits.

Topics include partial derivatives, line integrals, Multiple integration, Moments of Inertia, Cylindrical and spherical coordinates, Differential equations, Complex variables and Hyperbolic functions, some special functions (the gamma function, the beta function). Prerequisite: Ms 206.

MUSIC

Mu. 105, 106, 205, 206. College Chorale. 1 credit. 3 hours per week.
Ensemble singing including the study of choral works from the Sixteenth Century to current musical comedy. Voice production, diction, and the development of musical taste are included. Attendance at extra rehearsals and concert performances is required.

Mu. 110. Theory of Music I. 3 credits. 5 hours per week.
An intensive study of the materials of music: notation, time and rhythm, chord structure. Ear-training, sight-singing, harmonic dictation, keyboard harmony. Prerequisite: Ability to play piano or comparable experience in band or glee club.

Mu. 111. Theory of Music I. 3 credits. 5 hours per week.
A continuation of Mu. 110.

Mu. 115, 116, 215, 216. Instrumental Ensemble. 1 credit. 3 hours per week.
Various styles of Instrumental music in practice and performance. Open to instrumental players in the college and the community.

Mu. 150, 151, 250, 251. Applied Music. 1 credit.
Private instruction in voice or instrument, approved by the department. A one-half hour private lesson a week is required in addition to five hours of practice time.

Mu. 210. Theory of Music II. 3 credits. 5 hours per week.
Advanced work in part-writing, sight-singing, and diction. Harmonization of chorales. Introduction to original composition. Prerequisite: Mu. 110 and Mu. 111.

Mu. 211. Theory of Music II. 3 credits. 5 hours per week.
A continuation of Mu. 210.

PSYCHOLOGY

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, critical thinking, educational and occupational planning, philosophy of life, citizenship responsibilities, etc. Required orientation for all entering Freshmen.

Psy. 201. Introduction to Psychology. 3 credits.
A beginning course in Psychology. It includes the fundamentals, facts and laws of psychology and their applications to the understanding of human behavior, the relation of psychology to other fields, and the various problems and fields of psychology. Given without laboratory experiments.

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 develops a physically fit individual through physical activity. Emphasis is also placed on developing an appreciation of the values of exercise as well as an understanding of the physiological, and sociological factors associated with total fitness.

Pe. 102. Survival Swimming and Golf. 1 credit. (3 hours)
Basic water survival skills, the drownproofing technique and basic swimming strokes are learned. Skills and understandings basic to an appreciation of golf are taught.

Pe. 103. Tennis and Badminton. 1 credit. (2 hours)

Pe. 104. Folk, Social and Square Dance. 1 credit. (3 hours)

Pe. 105. Archery and Bowling. 1 credit. (2 hours)

Pe. 106. Team Sports for Women. 1 credit. (3 hours)

Pe. 107. Team Sports for Men. 1 credit. (3 hours)

PHYSICAL EDUCATION AND RECREATION

The following are intended primarily for students planning to major in the areas of Physical Education or Recreation. Through lectures, demonstrations and student participation these courses develop skills, knowledge and understanding of the following activities:

PeR 201. Folk, Social and Square Dance. 1 credit. (3 hours)

PeR 202. Team Sports for Men. 1 credit. (3 hours)

PeR 203. Team Sports for Women. 1 credit. (3 hours)

PeR 204. Archery and Bowling. 1 credit. (2 hours)

NATURAL 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 including a study of the techniques of qualitative analysis. Prerequisite: Cy. 101.

Phy. Sci. 101. Physical Science. 4 credits. (3 hours lecture; 2 hours lab.)

A general Physical Science course which includes the following subjects: Accelerated Motions, Mass and Force, Gravitation Work, Power and Energy, Momentum, Gas Laws, Heat and Kinetic Theory, Magnetism and Electricity.

Phy. Sci. 102. Physical Science. 4 credits. (3 hours lecture; 2 hours lab.)

A continuation of Phy. Sci. 101 including a study of atomic structure, electromagnetic theory, particles and waves, aspects of the theory of relativity, aspects of the quantum theory, natural radio activity transmutation, accelerators, nuclear fission and biological effects of ionizing radiation. Prerequisite: Phy. Sc. 101.

Phy. Sci. 105. Astronomy. 3 credits.

This course is designed to place emphasis on methods and instruments used by astronomers, understanding the earth as an astronomical body, and a study of the solar system and its relation to the galaxy.

Bio. Sci. 111. General Biology. 4 credits. (3 hours lecture; 2 hours lab.)

A general Biological Science course which emphasizes astronomical and geological beginnings, a survey of the plant kingdom, the taxonomy, physiological and ecological aspects related to man's understanding of the plant world.

Bio. Sci. 112. General Biology. 4 credits. (3 hours lecture; 2 hours lab.)

A continuation of Bio. Sci. 111 with emphasis upon the animal kingdom. Topics included are phylogeny, physiology, and ecology.

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. 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. 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 non-calculus approach to the study of physics with emphasis upon the fundamental quantitative aspects of mechanics, heat, electricity, sound, light, atomic structure, and nuclear energy. Recommended prerequisite: Algebra.

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

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

Phys. 203. Physics for Engineers. 4 credits. (3 hours lecture; 3 hours lab.)

A course designed for engineering and science majors. An intro-

duction to the principles of mechanics, heat, and sound with emphasis upon the mathematical descriptions using the techniques of calculus. Prerequisite: Ms. 205 Analytical Geometry and Calculus, or instructor's permission.

Phys. 204. Physics for Engineers. 4 credits. (3 hours lecture; 3 hours lab.)

A continuation of Phys. 203 to include a study of electricity, magnetism, and radiation. Prerequisite: Phys. 203.

SOCIAL SCIENCES

Geog. 201. World Geography. 3 credits.

A study of the basic principles of geography with relation to the global distribution of man and his natural environment. Stress is placed upon the role of geography in interpreting human activities in the economic, cultural, and political areas. Special attention is given to map uses.

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 is placed 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. 170. Florida History. 3 credits.

A study of Florida from the pre-Columbian period to the present. The role of the British, Spanish, and French is developed as well as Florida's role in U.S. and Confederate history. Emphasis is also placed upon the period from the U.S. Civil War to the present.

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.

Hy. 250. Survey of the Modern Orient. 3 credits.

A survey course designed to acquaint the student with the growth and development of Oriental culture. Major emphasis is placed upon the events which have shaped contemporary Far Eastern powers such as China, Japan, Indo China, and the Philippines.

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.

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. This course should be scheduled during the third or fourth semester of attendance.

Soc. 150. Introduction to Sociology. 3 credits.

An introductory study of the development of the evolutionary theory of man, the characteristics of primitive man, the development of man's behavioral pattern and the meaning of cultures and social organization will be studied. Emphasis is placed on man's wants and drives and the interrelation between men as individuals and groups in contemporary society.

SURVEYING

Eg C 201. Elementary Surveying. 3 credits.

Field use of surveyor's instruments—surveyor's chain, rods, level, transit—adjustment of instruments, running traverses, keeping field notes, preliminary stadia, closing surveys and calculating areas.

Eg C 202. Advanced Surveying. 3 credits.

Continuation of Eg C 201, involving running, traverses, topographic surveys, cross-sections, and profiles, circular and parabolic curves, and staking grades.

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REQUEST FOR ADMISSION PAPERS

Any student who desires to apply for admission should use the form shown below, or a personal letter, to request the necessary admission papers. An official application blank and other papers will be forwarded by return mail.

For any information not covered in the catalog, correspondence and personal conferences are cordially welcomed. Such correspondence should be addressed to the Registrar, Indian River Junior College, Fort Pierce, Florida.

Registrar

Indian River Junior College

Fort Pierce, Florida

Dear Sir:

Please send the necessary admission papers to:

Name _____
(First) (Middle) (Last)

Mailing Address _____

I was graduated from _____ High School in 19____

I (have) (have not) previously attended another college or university.

I expect to enroll for the _____ Semester or Session, 19____.

Date _____ Signed _____

1966

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