

A COMPREHENSIVE EVALUATION OF RECORDS
OF STUDENTS TRANSFERRING TO KANSAS STATE COLLEGE
FROM JUNIOR COLLEGES IN KANSAS

by

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THE PROBLEM

The major objective of this research is to furnish junior colleges of Kansas with an appraisal of the junior college program of study as it fits into the various curriculums at Kansas State College. The need for this study was presented by the Director of Admissions at Kansas State College based upon numerous requests for information received from junior college students and officials. Questions most frequently asked are of this nature:

How much of my junior college work will I lose if I transfer to Kansas State College?

Are junior college transfer students usually able to meet scholastic requirements at Kansas State College?

If I have completed two years of junior college work, will I be able to graduate from Kansas State in two additional years?

How many hours of junior college credit will be accepted by Kansas State College?

What courses can be taken in junior college which will substitute for the various comprehensive courses at Kansas State College?

Is a transfer student required to take Military training at Kansas State College?

I wish to transfer to Kansas State College, will you

please advise of the proper procedure?

I have just received an evaluation of junior college credits, will you please advise why certain courses are listed under "no credit" or "action deferred"?

It is hoped that this research will answer many of these questions and that it will furnish the junior college student who plans to continue his or her education at Kansas State College with information that will be helpful in planning a total college program. It is also hoped that it will aid those in charge of guidance and counseling programs in the junior colleges by furnishing them with specific information relating to transfer students' problems.

SOURCES OF DATA

Numerous sources of information are incorporated in organizing this study. Principally among these are: (a) records of transfer students, (b) inquiries received by the Director of Admissions, (c) interviews with junior college deans, (d) conferences with students, (e) discussions with other members of Kansas State College staff who evaluate advanced credit.

As enrollment time approaches each year, many telephone calls, telegrams and letters are received by the college requesting information for junior college students. These

inquiries are always welcomed, but in many cases they do not prove to be the most satisfactory means for solving the problem. For example, a telephone call to the director of admissions relative to the use of a course as a substitution has to be referred to the office of the dean in charge of the curriculum for reply. Unavoidable delays in receiving needed information often result in considerable inconvenience to those concerned.

In the spring of 1950, visits were made to 12 of the 14 state junior college campuses. Lack of time prevented the inclusion of the other two schools in this visitation, a fact which is deeply regretted. The problem which stood out in each of these interviews with junior college officials was the use of courses as acceptable substitutions for the comprehensive courses at Kansas State College. As a partial solution to this problem, the study includes substitute courses used in previous cases of transfer students. A complete record of courses used in the various curriculums is included in the tabulation. Also, a description of each comprehensive course is given in the Appendix on pages 28-35 with a listing of several courses suitable for substitution. In practically every case a student can complete all of the comprehensive courses appearing in the first two years of his curriculum at Kansas State College and he may, if he chooses to do so, complete those appearing in the junior

and senior years. The only restriction is that the maximum number of hours acceptable from junior college is the number of hours required in the first two years of the curriculum which the student plans to enter.

Perhaps the best source of information on the real problems facing transfer students is the student himself. Briefly sharing some of these problems may aid other students in solving their particular problems. Throughout this study a special endeavor is made to include these problem situations and suggestions for their solution.

PROCEDURES

1. Preparation of a summary for 415 junior college transfer students who entered Kansas State College from 1945 to 1949 inclusive. These were tabulated on the following basis:

- a. Name of student
- b. Total hours presented
- c. Curriculum entered
- d. Curriculum changes
- e. Grade point average on junior college work accepted
- f. Grade point average on work at Kansas State College
- g. Comparison of junior college and senior college work

h. Comprehensive courses completed by substitution

i. Results of work completed at Kansas State College

2. Preparation of a summary of courses generally accepted as substitutions for the comprehensive courses appearing in the various curriculums:

a. Biology in Relation to Man

b. Man's Physical World

c. Man and the Social World

d. Man and the Cultural World

3. Interpretation of the final compilations of data in terms of credits lost and requirements met.

4. Furnishing to each junior college in Kansas a copy of these findings to serve as a self-study guide for students who plan to continue their education at Kansas State College and to serve as a source of general information for those in charge of the junior college guidance program.

The following guides were adhered to in tabulating data.

1. The study included students from all junior colleges in Kansas.

2. Junior college students who had no other college training and who entered Kansas State College between January 1, 1945 and January 1, 1950 were included in the study.

3. Credit for physical education which is required at Kansas State College is not considered as lost credit even though the requirement is fulfilled and the credit listed

under "no credit" in the evaluation of advanced credits.

4. Excess junior college credits were listed under "no credit", however, they were not considered in computations involving credits lost in transferring.

The 415 junior college students included in this study represent all the junior colleges in Kansas. These are typical cases chosen at random and they present the usual problems confronting transfer students. Military credits have been excluded from the study in all cases in which the student transferring is a veteran. The only effect military service credit has upon these records is in the maximum number of hours accepted for men. Credit for four semesters of basic military science is granted for men who furnish proof that they have had 90 days or more of active duty service in the armed forces. This action reduces the maximum number of junior college hours accepted in each curriculum by four. The maximum number of hours of junior college credits accepted in any curriculum is the number of hours listed in the freshman and sophomore years of the curriculum. Women students and veterans are limited to four hours less than this number if the curriculum includes military science. In many cases military credit (for length of active duty service and service schools attended) was established by the veteran student and this credit was applied toward completion of curriculum requirements, but in this study such credit is excluded. Only academic work taken at

the junior college and at Kansas State College is included. In those cases in which it appears that a student was graduated without completing the total hours required in the curriculum, the difference is accounted for by the use of military credit.

All regularly enrolled male students who are citizens of the United States and are not physically disqualified are required to take military training three hours a week during their freshman and sophomore years or the equivalent if they are not veterans. Students who enter with 25 hours of advanced credit are excused from the second year of military training; those who enter with 59 hours of advanced credit are excused from all military requirements. Students excused from military training are required to complete an equivalent amount of other college work in terms of hours of credits. This credit may be accepted from junior college work.

Some junior colleges do not require physical education, others require it but do not give credit for the course, while still others give from one to two hours of credit for each semester. At Kansas State College "R" denotes a required semester course for which no credit is given in semester hours. All curriculums at the College have four semesters of "R" required physical education. Transfer students who enter this College with 15, 25, 44, or 59 hours of credit are excused from one, two, three, or four semesters, respect-

ively, of physical education. In case the transfer student has taken physical education, this requirement is fulfilled semester for semester but the credit is listed under "No Credit" column. In the tabulation of credits lost, these hours were not counted as lost credits unless they exceeded four semesters, because they met a curriculum requirement.

Kansas State College uses the following grades:

- "A" for distinguished work
- "B" for superior work
- "C" for average work
- "D" for merely passing work
- "F" for failure

For each semester hour of work a student gets points, according to the grades he makes, as follows: A, 3; B, 2; C, 1; D, 0; F, -1. For graduation or for advancement in classification, the requirement in points is the same as in hours.

The above point system was used in determining grade point averages for junior college work and for work completed at Kansas State College. Only junior college hours accepted by the College are used in the computation of junior college grade point averages. This average may not be the same as the student's grade point average at junior college if work is lost in transferring or if failures appear on the junior college transcript. All work at Kansas State College is used

in computing grade point averages. The use of failing grades with corresponding negative grade points on work taken at Kansas State College and the use of only passing grades on work accepted from junior college may result in a lower grade point average at Kansas State College, in comparison, than would be the case if all junior college work were considered.

For purposes of comparing college work it is generally accepted that a variance within one-half grade point above or below a given grade point average constitutes comparable work. This policy is used in determining those students who did equally well, those who did better, or those who did less well at Kansas State College compared with work accepted from junior colleges. If the difference between grade point averages on work taken at junior colleges and that taken at Kansas State College is within $\pm .50$ grade points the difference is considered to be not significant and the grade point averages are accepted as equal in quality. In cases with grade point averages greater at Kansas State College by more than $+.50$ grade points, the grade point average is considered to be better than that earned on work accepted from junior college. In cases with grade point averages on work completed at Kansas State College with a difference greater than $-.50$ grade points below junior college work, the students are listed as having done less well at Kansas State College than they did at junior college.

Many transfer students enter one curriculum but later change to another in the same school or to a curriculum in a different school. In such cases the transcript of junior college work must be re-evaluated in the new curriculum. Of the 415 students included in this study, 322 continued their work in the original curriculum entered at Kansas State College. Eighty-seven changed curriculums once, three changed curriculums twice, and three changed curriculums three times after entering this institution. These figures indicate that approximately 78 per cent of the 415 transfer students continue in the curriculum entered while approximately 22 per cent change curriculums one or more times. To avoid duplicating cases, records of students included in this study were used only in one curriculum - that being the last curriculum entered at Kansas State College for those students who changed curriculums.

The tabulations by curriculums (Appendix, pages 39 to 64) summarize the college work completed by each of the 415 transfer students included in this study. "Case" indicates an individual student whose record became a part of this report. Under the heading "Ju. Co. Credits" are listed two columns; 1st, those hours accepted by Kansas State College from the junior college, and 2nd, those hours lost in transferring. In some cases two figures appear in the "Lost" column. The second number which is enclosed in parenthesis () was actually lost before the student transferred. In other words,

it represents the number of excess junior college credit hours beyond that which the student could expect to have accepted in the curriculum entered. These hours cannot be considered lost in transferring because they are above and beyond the maximum number of hours accepted by the college. For purposes of this study, all credits listed under "Action Deferred" were considered lost if they were not cleared after one semester of resident work.

Under the heading "Ju. Co. Grade Average" are listed the hours of credit accepted, the grade points earned on those hours and the grade point average determined by dividing the number of points earned by the number of credits accepted.

Under the heading "K. S. C. Grade Average" is listed the credit hours earned at Kansas State College, the grade points earned on those hours and the grade point average determined by dividing the number of grade points earned by the number of hours earned.

Under the heading "Comparison" is listed a positive or negative comparison of grade point averages between Kansas State College work and work that was accepted from the junior college. If this comparison is a plus number it means that work taken at Kansas State College has a higher grade point average than that accepted from the junior college. If the comparison is a minus number it means that work taken at Kansas State College has a lower grade point average than that accepted from the junior college.

Under the heading "Comprehensives" are listed those comprehensive courses appearing in the various curriculums. In each case where substitutions were used to fulfill these requirements, the number of hours of accepted credit is given with substitute courses and hours used of each.

At the extreme right of the tabulations is listed under the heading "Results" the actual outcome of each particular case at the time this study was made. These may indicate that the student is a sophomore, junior or senior, or that he withdrew (Wd) from college after a given number of semesters, was dismissed (Dis) or graduated (Gr) in a particular year.

CONCLUSIONS

On the basis of information furnished by this study of junior college transfer students the following conclusions appear to be pertinent to prospective transfer students, to the junior colleges, and to Kansas State College.

1. Three out of four junior college transfer students are successfully completing senior college work.

2. Only 7 per cent of the junior college students are dismissed from Kansas State College for failing to meet minimum scholastic requirements.

3. Two out of three junior college transfer students do as well or better in senior college work as they did in junior

college.

4. Students who change their educational objectives late in their college career suffer the greatest loss of credit.

5. The average junior college student loses six semester hours of junior college credits in transferring to Kansas State College.

6. Many junior college students meet requirements for the first two years' work in senior college without loss of credits in transferring.

7. Junior colleges are doing a commendable job in preparing students for senior college work, but better counseling and guidance programs can reduce the loss of credits for many junior college students who plan to continue their education on senior college level.

Summary of Data for All Students

An over-all appraisalment of the 415 Kansas Junior College students reveals several interesting facts:

1. Of the 415 students, 312 (75 per cent) have completed or are successfully continuing senior college work.

2. Of the 415 students included in this study, 230 (55 per cent) have been graduated from Kansas State College.

3. Of the 415 students included in this study, 82 (20 per cent) are still in school and are successfully continuing

their work toward graduation.

4. Of the 415 transfer students, 75 (18 per cent) withdrew from Kansas State College after one or more semesters but prior to graduation.

5. Of the 415 students, 28 (7 per cent) were dismissed from Kansas State College for failing to meet minimum scholastic requirements.

6. Of the 415 students included in this study, 277 (67 per cent) did as well or better on work taken at Kansas State College compared with grade point averages on work accepted from junior colleges.

7. Of the 415 students, 246 (60 per cent) did equally as well at Kansas State College as they had done at junior college based upon grade point averages.

8. Of the 415 students, 31 (7 per cent) earned higher grade point averages on work completed at Kansas State College than they received on junior college work accepted by Kansas State College.

9. Of the 415 students, 138 (33 per cent) received lower grade point averages on work taken at Kansas State College than they did on work accepted by this institution from junior college.

10. A total of 2,454 hours of junior college credits were lost by these 415 students.

11. The average loss of junior college credits per student included in this study is six semester hours.

Summary of Data by Schools

School of Agriculture. Of the 415 junior college transfer cases included in this study, 46 entered curriculums in the School of Agriculture. Twenty-five or approximately 54 per cent of these 46 students have already been graduated and 14 or nearly 31 per cent are presently enrolled. Five students withdrew from college and two were dismissed because of low scholastic achievement. In other words, 85 per cent of these 46 students have completed or are successfully continuing their college training beyond junior college while 15 per cent have discontinued their training at Kansas State College.

Another interesting comparison is that of scholastic achievement. Thirty-two students did equally well at Kansas State as they had done in junior college, seven did better work at Kansas State College and seven did less well at Kansas State College. Eighty-five per cent did equally well or better work at this College than they did at junior college, while 15 per cent had lower grade point averages at this college.

These 46 transfer students lost a total of 617 credit hours of junior college work. This is an average of approximately $13\frac{1}{2}$ hours or nearly one semester's work per student. This loss need not occur if students plan their work with more care before transferring to this College.

School of Arts and Sciences. One hundred fifty-six of the 415 students included in this study entered curriculums in the School of Arts and Sciences. Ninety-four or approximately 60 per cent are graduated and 24 or 15 per cent are still in school. Thirty-four withdrew from college and four were dismissed for low scholastic standing. One hundred eighteen or 76 per cent of the 156 are successfully pursuing senior college work. Thirty-eight or 24 per cent are not continuing their work at this College.

In comparing quality of work as determined by grade point averages, 103 students did equally well, 12 did better and 41 did less well at Kansas State in comparison with work accepted from junior college. On a percentage basis, 75 per cent earned a grade point average as high or higher at Kansas State College while 26 per cent ranked lower at this College than they did on work accepted from junior colleges.

These 156 students lost a total of 356 hours of junior college credit, or slightly over two hours per student on an average. No doubt, the large numbers of elective credits provided for in many of the curriculums in this school account for the small loss of credits transferred from junior colleges.

School of Engineering and Architecture. A break down into schools of the 415 cases studied shows 166 students' records to be in the School of Engineering and Architecture. Eighty-four or 51 per cent have been graduated, while 40 are

still in school which makes a total of 124 or 75 per cent who have completed or are successfully pursuing work in these various curriculums. The records indicate that 20 withdrew from college and 22 were dismissed for low grades. This means that 25 per cent of these 166 students are no longer attending Kansas State College.

A comparison of scholastic achievement based upon grade-point averages reveals that 82 students did equally well, 10 did better and 74 did less well on Kansas State College work than they did on work accepted from junior colleges. Percentagewise, this shows 55 per cent of these students maintained an equal or better grade point average at this college while 45 per cent fell below their junior college grade-point averages. Although statistical data are not available at this time to verify such a comparison, M. A. Durland, Dean of the School of Engineering and Architecture, states that there is a tendency for grade-point averages to drop during the junior and senior years for engineering students below that which they maintained during their freshman and sophomore years.

These 166 engineering students lost a total of 1,280 semester hours of junior college credit. This amounts to an average of nearly 8 hours credit per student. This high loss of credit is due mostly to a large number of irregular junior college subjects and a limited number of electives in the engineering curriculums to absorb such credits.

School of Home Economics. Forty-seven of the 415 students included in this survey have records in the School of Home Economics. Of these 47 students, 27 have already been graduated and 4 are continuing their work at Kansas State College at this time. The records indicate that 16 of these transfer students withdrew from Kansas State College prior to graduation. Of these 47 transfer students, 66 per cent have been graduated from or are making satisfactory progress at Kansas State College. Thirty-four per cent have interrupted their education at this institution.

Comparison of scholastic achievements based upon grade-point averages received on work accepted from junior colleges and grade-point averages on work completed at Kansas State College show that 29 did equivalent work at both institutions, 2 did higher work and 16 did lower work at Kansas State College. On a percentage basis, 66 per cent of these 47 students did as well or better at Kansas State while 34 per cent did less well at this College.

A total of 201 hours of junior college credits were lost by these 47 students for an average loss per student of $4\frac{1}{2}$ credit hours.

RECOMMENDATIONS

There is excellent cooperation between the junior colleges of Kansas and Kansas State College. A student who plans to begin his work in a junior college and complete it in Kansas State College may arrange his program so as to proceed without loss of time. Different curriculums require different subjects, but the College will give all possible credit for work done in junior colleges. Hour-for-hour credit is given where junior college work can be accepted to satisfy curriculum requirements. A student may begin his work in junior college with an assignment acceptable to this institution, and later transfer without loss of credit.

The curriculums printed in the College catalogue give full information as to courses required in each, but the College is glad to hear from students as to specific problems.

A junior college student is permitted to enroll at Kansas State College during any enrollment period providing he is in good standing at the school he is leaving. The following procedure should be followed in transferring to Kansas State College.

First Step

The first step for the student who is transferring to this College is to contact the Director of Admissions to secure an "Information Blank" on which application for admission is made. When this completed form is received by the Director of Admissions, a file is prepared for the student to enter the College in the curriculum as indicated on the "Information Blank" by the student.

Second Step

The second step for the student is to request the registrar of the junior college to send a transcript of junior college work to the Director of Admissions at the College. This is definitely a responsibility of the student and he can be enrolled only provisionally at the College until such time as his acceptable transcript is received. Since provisional enrollments are accepted for only a short time (usually three weeks), the student should make his request for transcript to be sent well in advance of the date he plans to transfer. Only transcripts received directly from the registrar are acceptable, therefore, the student should not present a personal copy. The Director of Admissions will contact the high school from which the student graduated for a transcript of high school work.

Upon receipt of transcript by the Admissions Office, all work of collegiate level is typed in triplicate on an "Advanced Credit" sheet. These forms along with the transcript are then sent to the office of the dean of the school in charge of the curriculum indicated. The dean's office evaluates advance credits, indicating under four headings the action taken on each subject. Courses listed under "Substitution" are followed by the name of the course for which it is used as a substitute course in the curriculum. Courses for which credit is used as elective credit are listed under "Elective" and are totaled in the column at the right. Courses for which credit cannot be used in the curriculum are listed under the "No Credit" column. Courses for which credit is listed under "Action Deferred" means only that the student and his dean must confer on acceptance of the course before final action is taken, and does not reflect on the nature of the course. Credits listed in this column are often used after the content of the course has been determined or subsequent work in the field is completed satisfactorily.

After the advanced credits are evaluated by the dean's office, one copy is retained and the original, the student's carbon copy and the transcript are returned to the Director of Admissions. A "Dean's Card" is prepared for the student, the original copy of the "Advanced Credit" sheet and transcript are placed in the student's file and a carbon copy of the

evaluation is sent to the student.

Third Step

The third step for the student is to study the evaluation carefully. If there are any questions concerning the evaluation of credits, the student should direct inquiries to the dean who evaluated the credits and signed the "Advanced Credit" sheet. At the first opportunity, the student should take action to clear any credits listed under "Action Deferred". This study revealed that many hours of usable credits were lost because the student failed to clear this action with his dean.

Fourth Step

The fourth step in the transfer procedure is for the student to appear at the time listed in the College Academic Calendar for aptitude tests and physical examinations for transfer students. Before he is permitted to enroll, every applicant for admission to the College must take aptitude tests. Equivalent tests taken elsewhere cannot be substituted for tests required in this College. Also, every transfer student must take a comprehensive physical examination given at a specified time by the Department of Health.

Fifth Step

The fifth step for the transfer student is to appear for registration and assignment at the time indicated for his initial group on the enrollment schedule. The Dean's Card prepared in advance for each student shows all courses completed by junior college work and serves as a guide for the student and assigner in working out an assignment. The student is responsible for fulfilling all of the requirements of the curriculum in which he is enrolled. His assigner and his dean will help plan his work, but they do not assume responsibility for his mistakes. The student should be familiar with the catalogue statements about assignments and curriculums, because the catalogue is the official source of information. No student may drop a course or change an assignment except by a formal reassignment, which can be made only by his dean. A student who withdraws from College must have an official withdrawal permit from his dean.

No attempt is made in this report to dictate narrow departmental requirements to the junior colleges nor is there any thought of making comparisons among students from the various junior colleges. It is hoped that this report will contribute to the solution of some of the junior college problems as outlined by Jesse Parker Bogue, Executive Secretary, Association of American Junior Colleges, in his book

The Community College, particularly the problem of counseling and guidance.¹ "The critical problem then, appears to be counseling and guiding these many young people into fields of learning suitable to their abilities and desires."

¹ Bogue, Jesse Parker, The Community College, p. 321. 1950.

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APPENDIX

Comprehensive Courses

The comprehensive courses are designed to cover the whole field of human knowledge and to integrate the sub-fields in specific areas of: (1) Physical Science, (2) Biological Science, (3) Social Science, and (4) the Humanities. Since these four areas, together with communications and mathematics, are by definition all inclusive, it follows that any particular field of study must lie in some one or more of these areas. At Kansas State College, curriculums which require introductory courses in one or more of the four areas are not expected to include the comprehensive course, in that area. The comprehensive courses are intended to be introductory in nature, and also terminal in the sense that the student, who is required to take a particular comprehensive course, is not required to take more courses in the same area. These courses are expected to integrate and tie together the component parts of the field covered. The following descriptions explain in more detail the content of the courses.

Man's Physical World.

101. Man's Physical World I. 4 Semester hours.

102. Man's Physical World II. 4 Semester hours.

These courses cover all the nonliving phases of man's total environment. They are designed to provide students with a brief working knowledge of the subject matter of the

physical science fields commonly designated as astronomy, geology, physics and chemistry. They are formulated on the concept that the fundamental building units of the universe are atoms, parts of atoms and combinations of atoms. The physics and chemistry of the universe of stars and galaxies are basic to astronomy, in which we have a superlative example of the vastness of space. The physics and chemistry of the earth's rocks and minerals are basic to geology, and in geologic history we have an example of the vast expanse of past time. The ultimate objective is to give the student an integrated picture of the physical world in which man lives.

The following courses are generally accepted as suitable substitutions for part or all of this Comprehensive Course. It is recommended, however, that courses in more than one specific field be taken. For example, all eight hours of substitute work should not be taken in chemistry. A better arrangement would be to have a course in chemistry and one in geology or a course in physics and/or geography. If a part of a comprehensive is completed by substitution of a junior college course, the remaining hours of the Comprehensive Course may be completed by taking an acceptable substitution course at Kansas State College. Again an example is given for clarity. Suppose a transfer student has credit for a five-hour course in chemistry. He transfers to Kansas State College, entering a curriculum con-

taining the Comprehensive, Man's Physical World. The five hours of chemistry are substituted for five of the eight hours of the Comprehensive Course and the remaining three hours may be completed by substituting a course in geology, geography, or physics at Kansas State College.

Acceptable substitute courses are:

Principles of Geography	Descriptive Physics
Physical Science	Physical Science Survey
Inorganic Chemistry	General Geology
Qualitative Analysis	Quantitative Analysis
General Physics	Organic Chemistry

Biology in Relation to Man.

111. Biology in Relation to Man I. 4 Semester hours.

112. Biology in Relation to Man II. 4 Semester hours.

These courses cover fundamental relationships between plants and animals and other environmental factors. The structure of representative growth, food, manufacture and utilization, reproduction, digestion, assimilation, circulation, perspiration, and other life processes may be understood and their importance appreciated; also the relationship of structure to heredity and behavior. Principles which govern the classification and identification of various plants and animals are studied. The economic importance, both positive and negative, of plants and animals is considered; the relation of lower plants and animals, and how these ravages may be controlled; the utilization, propaga-

tion, and conservation of plants and animals useful to man; and finally, a detailed study of man himself--his anatomy, functioning, heredity, and future as a member of the community and the nation. Life is interpreted as an integrative process which results in a dynamic whole.

The same principles are adhered to in making substitutions for this Comprehensive as are used in the other Comprehensive Courses. Hour for hour acceptance of courses from the following list make it possible for the transfer student to complete part or all of this Comprehensive Course while attending junior college. It is highly recommended that courses be included to cover both plants and animals. For those students who complete only part of this Comprehensive Course by substitution, suitable courses for completing the work are offered at Kansas State College. If a student has credit for a five hour course in Zoology from junior college he may take a three hour course, Nature and Development of Plants, at Kansas State to fulfill the requirements of this Comprehensive. If the student has credit for a five hour course in Botany he may take three hours in General Entomology to complete the substitution. Other combinations similar to these are acceptable providing the work contributes to a general understanding in the field of Biology.

Suitable courses for substitutions are:

Zoology	Comparative Anatomy
Anatomy and Physiology	Human Physiology and Anatomy
Biology	
Hygiene	Animal Biology
Physiology	General Bacteriology
Health and Hygiene	General Entomology
Botany	

Man and the Cultural World.

131. Man and the Cultural World I. 4 Semester hours.

132. Man and the Cultural World II. 4 Semester hours.

These courses are an orientation to the world's cultures, approached from the standpoints of each culture's history, philosophy and religion, literature, music, art, and architecture. Emphasis is laid upon the outstanding phases of western culture and civilization from primitive times until the present day. Primary attention is directed to the following phases of culture: (1) Primitive Phase: Simple culture of the Stone Age, and complex cultures of Egyptians, Babylonians, and ancient Americans; (2) Classical Phase: Cultures of Semites, Persians, Indians, Chinese, Greeks and Romans; (3) Post-Classical or Medieval Phase: Cultures of Europeans, Byzantines, Moslems, Hindus and Confucians; (4) Modern Phase of European Culture: Developments; Renaissance, Reformation, scientific revolution, baroque art, Age of Reason, Romantic Age, and revolutions; industrial,

social, and political; (5) Recent and Contemporary Age of Culture: Industry, invention, and science; world contacts; new knowledge, doctrines, policies, philosophies; developments in literature, art, architecture, etc.; cultural interdependence.

Substitute courses acceptable for fulfilling requirements of this Comprehensive Course are listed below. Again it is urged that more than one particular field be covered in substitute work. A study of early civilization plus some work in literature and a course in Appreciation of Art or Architecture gives an acceptable coverage of the subject matter in the Cultural World Comprehensive Course.

Part or all of these courses may be completed by substitute work from junior college. These courses are generally accepted hour-for-hour as partial or complete substitutions.

Suitable courses for substitution are:

Civilization	Current Literature
English Literature	Early European History
American Literature	Modern European History
Art Appreciation	Contemporary American History
Music Appreciation	World Civilization
History and Appreciation of Music	Introduction to Plays and the Theatre
History of Music	Types of Literature
Medieval History	Ethics
Mythology	Survey of European Civiliza- tion

Man and the Social World.

Man and the Social World I. 4 Semester hours.

Man and the Social World II. 4 Semester hours.

These courses cover the fundamental characteristics of the society in which man lives. The courses are intended to give an understanding of the part man plays in his relations with his neighbors and the broad relations among the peoples of his nation and the peoples of the world. Attention is called to the constantly changing relations among individuals and the many ways in which these changes affect individuals. The social, economic, and political institutions and practices of America are presented, and the student has an opportunity to compare them with the institutions and practices found in other parts of the world. The courses are intended to develop a keen sense of the responsibilities and duties of a citizen, and a desire to participate actively in the affairs of the community.

Junior college courses may be substituted for part or all of Man and the Social World. Substitute courses which furnish the major subject matter background for this Comprehensive are economics, sociology and political science. The junior college student who plans to transfer to this College and enter a curriculum which has Man and the Social World as a requirement may take work from the courses listed below and have credits applied toward part or all of this Comprehensive. The student is urged to cover more than one

narrow field if he wishes to work toward complete substitution of this Comprehensive Course. He may complete part (3, 4, 5, or 6 hours) of suitable substitute work at junior college and finish the remainder of this course at Kansas State. For example, a student who has completed a five-hour course in economics at junior college may take a three-hour course in sociology at this College to complete the total eight hours of Man and Social World I and II. Other similar combinations may be used from the following suggested list:

Contemporary American History	American History
Principles of Economics	Social Pathology
Economic History of U. S.	History of American People
Elements of Sociology	Economic Problems
Sociology	Man and the Social World I and II
American Government	American Economic Development
General Psychology	State and Local Government
Ethics	Elementary Logic
World Economic History	Marriage and Family Relations

Extreme Cases

Case Number One. Although this study of 415 junior college transfer students reveals that the average loss of credit per student is 6 hours, it should not be implied that this fact is the most important consequence. No doubt, in many cases, junior college experiences have served well in discovering fields of interest for further study and ultimate vocations. College credits lost in transferring to a senior college may not be considered by the student as an actual loss in any sense of the word. Courses are sometimes taken to meet the need of an avocational interest with no thought in mind of applying such courses toward degree requirements later. There is no means available in this study to determine the intent of a student at the time he took a course for which he later lost credit in transferring from junior college to Kansas State College. Nevertheless the citing of a few cases in which the loss of credits was extremely high may be of value to other students who plan to transfer to Kansas State College.

The first reference is made to case number one, School of Engineering and Architecture in the curriculum of Architecture. This student presented 59 hours of junior college credit of which 7 hours were accepted and 52 hours were lost. Almost the entire two years of junior college work was taken in the field of music, dramatics, and journalism. Upon

entering Kansas State College in 1946 the student switched to Architecture, a curriculum offering no free electives in which use could be made of much of the junior college work. This student completed the requirements for a degree in Architecture and was graduated in 1950.

Case Number Two. For the purpose of reviewing the records of another student who had a great number of credits lost, case number six in the General Home Economics curriculum under the School of Home Economics is cited. This student completed 66 hours of junior college credit. The maximum acceptable in this curriculum is 62 hours. This means that the student had four hours of excessive junior college work which could not be accepted by Kansas State College. Of the remaining 62 hours, 27 were lost when the transcript was evaluated. The student lost 10 hours of shorthand, 3 hours of Reading, 3 hours of Methods, 5 hours of Algebra, and the rest in art, music and typing. Although there were many more hours of electives listed in the curriculum than the 9 hours accepted these credits were listed under "Action Deferred" and were never used toward graduation. It may also be noted that this student earned a grade point average at Kansas State College of .86 and that she withdrew from College at the end of four semesters. If junior college work had been planned so as to have resulted in little or no loss of credit, she could have fulfilled degree requirements in the four semesters which she attended senior college. In this

case, however, the student failed to earn the required grade-points for graduation.

Case Number Three. Under the School of Engineering and Architecture in the curriculum of Civil Engineering, case number two is referred to for further consideration. This junior college transfer student completed 84 hours of junior college work. The maximum hours acceptable in the curriculum which the student entered is 70 hours. Fourteen hours of this credit was excessive and had to be placed immediately in the "No Credit" column. Of the remaining 70 hours, 32 were lost and 38 were accepted. Since there are no electives in this curriculum to absorb the irregular junior college courses they had to be thrown out in the evaluation process. These are some of the courses lost: botany, French I and II, zoology, history, psychology, inorganic chemistry, and physiology. These are all bonified college courses with acceptable grades, but there is no place in which they may be used in this curriculum. Despite the loss of approximately three semesters of junior college work this student successfully completed requirements for a degree in Civil Engineering and was graduated in 1950.

Table 1. Summary of data for the School of Agriculture.

	Ju. Col.	Ju. Col.	Ju. Col.	Ju. Col.	K.S.C.	K.S.C.	K.S.C.	Comp.	Comprehensive	
Case:	credit	grade average	grade average	grade average	grade average	grade average	grade average	K.S.C.	Man and Cultural World	Results
* : Accep. : Lost	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Ju.Col.		
Agriculture										
1	51	11	51	67	1.31	63	64	1.02	-.29	(All) 8; Psych. 3; Surv. Civil. 3; Mag. Writ. 2. Sr.
2	38	23	38	53	1.39	14	11	.79	-.60	(All) 8; Gen. Psych. 3; Civil. 5. Soph.
3	53	11 (3)	53	70	1.32	78	142	1.82	+.50	Sr.
4	42	18	42	64	1.52	92	155	1.68	+.16	Gr. '48
5	29	5	29	46	1.59	99	189	1.91	+.32	(Part) 4; Lit. 2; Anal. Geom. 2. Gr. '50
6	14	11	14	16	1.14	67	43	.64	-.50	Soph.
7	28	36 (7)	28	32	1.14	32	25	.78	-.36	2 sem. wd.
8	42	18	42	47	1.12	66	27	.41	-.71	4 sem. wd.
9	43	0	43	122	2.84	54	150	2.78	-.06	Jr.
10	17	0	17	34	2.00	18	36	2.00	.00	1 sem. wd.
11	7	0	7	6	.86	9	0	0	-.86	1 sem. dis.
12	42	21	42	53	1.26	79	117	1.48	+.22	Gr. '48
13	46	18 (4)	46	67	1.46	80	161	2.00	+.54	Gr. '47
14	28	6	28	46	1.64	66	107	1.62	-.02	Sr.
15	34	3	34	36	1.06	102	108	1.06	.00	Gr. '48
16	39	20	39	57	1.46	92	118	1.28	-.18	Gr. '49
17	28	0	28	37	1.32	104	162	1.56	+.24	Gr. '48
18	14	1	14	17	1.21	71	70	.99	-.22	5 sem. wd.
19	15	0	15	20	1.33	97	137	1.41	+.08	Gr. '49
20	46	0	46	73	1.59	86	172	2.00	+.41	Gr. '48

* Cases numbered from 1 for each curriculum.

Table 1. (cont.)

Case:	Ju. Col.		Ju. Col.		K.S.C.		Comp.		Comprehensives		Results
	credit		grade average		grade average		K.S.C.		Biol. in Rel. Man	Man's Phys. World	Man and Cultural World
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.		
Agricultural Administration											
1	45	17	45	51	1.13	80	90	1.13	.00		Sr.
2	37	18	37	48	1.30	83	175	2.11	+.81	(All) 8; Org. Chem. 8.	(All) 8; Germ. 5; Lit. 3. Gr. '50
3	8	5	8	6	.75	124	129	1.04	+.29		Gr. '50
4	51	6	51	51	1.00	73	113	1.55	+.55	(All) 8; Zool. 5; Anat. Phys. 3.	(All) 8; Surv. Civil. 6; Eng. Lit. 2. Gr. '50
5	14	6	14	9	.64	103	113	1.10	+.46		Gr. '50
6	35	29 (4)	35	79	2.26	88	196	2.23	-.03		(All) 8; Art. 2; Hist. 1; Music. 2; Soc. 3. Gr. '49
7	39	22	39	56	1.44	83	134	1.61	+.17	(All) 8; Chem. 5; Physics 3.	Gr. '48
Soil Conservation*											
1	44	17	44	52	1.18	67	112	1.67	+.49		Sr.
2	37	4	37	60	1.62	79	96	1.22	-.40		Sr.
3	28	3	28	47	1.68	106	179	1.69	+.01		Gr. '50
4	54	10 (4)	54	93	1.80	54	61	1.13	+.67	(Part) 4; Eng. Lit. 4.	Sr.
5	44	16	44	39	.89	82	94	1.15	+.26	(All) 8; Am. Govt. 5; Soc. 1; Econ. 2.	Gr. '49
Floriculture and Ornamental Horticulture*											
1	39	21	39	98	2.51	101	258	2.55	+.04	(All) 8; Psych. 3; Am. Lit. 2; Am. Hist. 3.	Gr. '50
2	15	0	15	14	.93	117	175	1.50	+.57		Gr. '50

* One comprehensive only; Man and Cultural World.

Table 1. (concl.)

Case:	Ju. Col. credit	Ju. Col. grade average	K.S.C. grade average	Comp. K.S.C.	Comprehensives	Man and Social World	Man's Phys.: Biol. in World	Man and Cultural: Rel. to Man: World	Results
	Accp.	Lost	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Ju.Col.				
Landscape Design									
1	30	16	30 33 1.10	117 111 .95	-.15				Gr. '50
2	49	18	49 114 2.33	25 54 2.16	-.17	(All) 8; Eng. Hist. 2; Civil. 6.			2 semwd
3	7	7	7 4 .57	115 245 2.13	+1.56				Gr. '50
Agricultural Education*									
1	34	14	34 50 1.47	71 90 1.27	-.20				Sr.
2	27	33.5	27 46 1.70	100 183 1.83	+.13				Gr. '50
3	25	41 (1)	25 32 1.28	65 78 1.20	-.08				Jr.
4	17	23	17 33 1.94	127 145 1.14	-.80				Gr. '50
5	17	42	17 18 1.06	35 67 1.91	+.85				Soph.
Two-year Agriculture*									
1	21	21	21 24 1.14	52 32 .62	-.52				Gr. '50
2	5	14	5 6 1.20	5 -5 -1.00	-2.20				1sem. dis
Dairy Manufacturing*									
1	24	10	24 29 1.21	65 72 1.11	-.10				Gr. '50
2	12	2	12 18 1.50	116 268 2.31	+.81				1sem. dis

* No Comprehensive.

Table 2. Summary of data for the School of Arts and Sciences.

Case:	Ju. Col.		Ju. Col.		K.S.C.		K.S.C.		Comp.	Man's Phys. World	Comprehensives		Results
	credit		grade average		grade average			Biol. in Rel. to Man			Man & Cultural World		
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.			Ju.Col.		
Business Administration													
1	60	2	60	105	1.75	61	102	1.67	-.08	(All) 8; Chem. 5; Physics 3.		(All) 8; Social World I & Gr. '50 II.	
2	56	7 (8)	56	78	1.39	63	51	.81	-.58	(All) 8; Chem. 5; Physics 3.	(Part) 4; Biol. 4.		Gr. '49
3	57	6	57	100	1.75	75	156	2.09	+.34	(All) 8; Qual. Anal. 5; Chem. 3.	(All) 8; Biol. 5; Physiol. 3.	(Part) 6; Eng. Lit. 3; Civil. 3.	Gr. '50
4	60	4 (5)	60	84	1.40	82	39	.48	-.92	(All) 8; Chem. 5; Qual. Anal. 3.		(All) 8; Eng.Lit. 3;U.S. Hist. 3; Sociol. 2.	Sr.
5	52	1	52	123	2.37	53	72	1.36	-1.01	(Part) 5; Chem. 5.	(All)8;Zool.5;Per.Hyg.3.		Sr.
6	53	0	53	89	1.68	58	72	1.24	-.44				Sr.
7	36	1	36	58	1.61	25	41	1.64	+.03	(Part) 4; Chem. 4.		(Part) 3;Eng. Lit. 3.	Wd.2ndSe.
8	60	1	60	62	1.03	56	67	1.20	+.17	(All) 8; Geol. 5; Physics 3.	(All) 8; Bot. 5; Physiol. 3.	(Part) 5; Eng. Comp. & Lit. 5.	Gr. '50
9	63	1 (1)	63	82	1.30	29	34	1.17	-.13				Wd.2ndSe.
10	39	0	39	80	2.05	70	97	1.39	-.66			(Part)5;Eng.Comp.&Lit.5.	Sr.
11	61	0	61	70	1.15	42	48	1.13	-.02	(Part) 5; Geol. 5.			Sr.
12	42	4	42	60	1.43	105	217	2.07	+.64	(All) 8; Chem. 8.			Gr. '50
13	43	3	43	22	.51	106	99	.93	+.42		(Part) 4; Physiol. 4.		Gr. '48
14	51	0	51	38	.75	79	116	1.47	+.72			(Part) 4;Eng. Lit. 4.	Gr. '47
15	13	0	13	26	2.00	44	79	1.80	-.20				Wd.3rdSe.
16	55	2	55	89	1.62	70	96	1.37	-.25	(Part) 5;Geol. 5.	(Part) 5; Physiol. 5.		Gr. '50
17	62	2 (1)	62	85	1.37	93	44	.47	-.90	(All) 8; Inorg.Chem. 5; Qual.Anal. 3.		(All) 8; Eng.Comp. & Lit. 5; Am.Hist. 3.	Sr.
18	12	3	12	12	1.00	78	138	1.77	+.77	(Part)5;Inorg.Chem.5.			Sr.

Table 2. (cont.)

Case:	Ju. Col. credit			Ju. Col. grade average			K.S.C. grade average			Comp. :K.S.C. :Ju.Col.	Man's Phys. World	Comprehensives Biol. in Rel. to Man	Man & Cultural World	Results
	Accp.	Lost		Hr.	Pts.	Av.	Hr.	Pts.	Av.					
Business Administration														
19	15	0		15	10	.67	16	16	1.00	+.33	(Part)5;Inorg.Chem.5.			Wd.1 sem
20	56	6		56	88	1.57	99	116	1.17	-.40				Gr. '50
21	45	0		45	61	1.36	80	133	1.66	+.30	(Part)5;Inorg.Chem.5.	(Part) 5; Bot. 5.		Gr. '50
22	42	0		42	45	1.07	74	106	1.43	+.36	(Part)5;Inorg.Chem.5.	(Part) 5; Zool. 5.		Gr. '50
23	56	0		56	53	.95	64	86	1.34	+.39			(Part)3;Eng. Lit. 3.	Gr. '49
24	32	0		32	24	.75	92	116	1.26	+.51				Gr. '50
25	61	0		61	119	1.95	60	112	1.87	-.08	(All) 8; Chem. 8.	(All) 8; Zool. 5; Bot. 3.	(All)8;European Hist. 3; Cont. Am. Hist. 5.	Gr. '49
26	53	8		53	128	2.42	81	155	1.91	-.51	(All) 8; Geol. 5; Physics 3.	(Part) 5; Zool. 5.	(All)8;Am. Lit. 3; Eng. Lit. 3; Mod. Europ. 2.	Gr. '50
27	37	0		37	77	2.08	90	201	2.23	+.15				Gr. '49
28	42	0		42	106	2.52	80	218	2.72	+.20				Gr. '47
29	42	16		42	71	1.69	82	153	1.87	+.18				Gr. '48
30	9	0		0	18	2.00	79	117	1.48	-.52				Sr.
31	26	2		26	41	1.54	26	3	.12	-1.42				Wd.2ndse
32	53	4		53	98	1.85	98	90	.92	-.93				Gr. '50
33	60	0		60	146	2.43	68	159	2.34	-.09			(All) 8; Eng. Lit. 3; Cont.Am. Hist. 5.	Gr. '48
34	37	12		37	57	1.54	98	140	1.43	-.11	(All) 8; Org.Chem. 3; Chem. 5.			Gr. '50
35	30	4		30	25	.83	31	36	1.16	+.33				Wd.2ndse
36	13	1		13	10	.77	26	60	2.31	+1.54				Wd.2ndse
37	61	1		61	123	2.02	44	105	2.38	+.36				Sr.
38	49	11		49	65	1.31	16	1	.06	-1.25	(Part) 3; Geog. 3.	(Part) 3; Hyg. 3.		Wd.1 sem
39	53	0		53	109	2.06	66	122	1.82	-.24			(All) 8; Am. Lit. 3; Wld. Civil. 5.	Gr. '50

Table 2. (cont.)

Case:	Ju. Col. credit		Ju. Col. grade average			K.S.C. grade average			Comp. :K.S.C. :Ju.Col.:	Man's Phys. World	Comprehensives Biol. in Rel. to Man	Man & Cultural World	Results
	Accep.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.		Business Administration			
40	30	0	30	35	1.17	125	111	.89	-.28	(All) 8; Chem. 8.			Gr. '48
41	33	0	33	71	2.15	167	262	1.57	-.58				Gr.49(2 degrees)
42	27	2	27	46	1.70	51	34	.67	-1.03			(Part)3;Types of Lit. 3.	Jr.
43	61	0	61	66	1.08	41	6	.15	-.93		(All) 8; Bot. 5; Hyg. 3.	(All) 8; Eng. Lit. 2; Hist. of Civil. 6.	Wd.4thse
44	31	0	31	25	.81	30	19	.63	-.18	(All) 8; Chem. 8.			Wd.2ndse
45	34	0	34	63	1.85	63	87	1.38	-.47	(All) 8; Chem. 8.		(Part)3;Types of Lit. 3.	Sr.
46	39	22	39	42	1.08	91	133	1.46	+.38	(All) 8; Chem. 5. Qual. Anal. 3.			Gr. '50
47	45	2	45	55	1.22	51	55	1.08	-.14				Wd.3rdse
48	48	1	48	100	2.08	82	160	1.95	-.13	(All) 8; Chem. 8.	(All)8; Physiol. 8.		Gr. '49
49	37	4	37	75	2.03	11	19	1.73	-.30		(Part) 5; Zool. 5.		Wd.1stse
50	59	5 (10)	59	77	1.31	60	95	1.58	+.27			(All) 8; Eng. Hist. 5; Am. Lit. 3.	Gr. '49
51	64	(1)	64	117	1.83	60	56	.93	-.90		(All)8; Physiol. 3; Biology 5.	(All)8; Lit. 4;Ethics 2; European Hist. 2.	Gr. '50
52	39	0	39	30	.77	13	-13	0	-.77		(All) 8; Bot. 5; Physiol. 3.		Dis. 1 sem.
53	36	0	36	54	1.50	63	103	1.63	+.13	(All) 8; Chem. 8.	(Part) 5; Zool. 5.		Wd.4 sem
54	30	0	30	48	1.60	41	19	.47	-1.13	(All) 8;Physics 8.			Wd.3rdse
55	30	0	30	64	2.13	91	128	1.41	-.72				Gr. '49
56	36	0	36	69	1.92	11	13	1.18	-.74				Wd.1 sem
57	26	0	26	33	1.27	95	93	.98	-.29				Gr. '49
58	24	0	24	16	.67	34	15	.44	-.23	(Part)5;Gen.Chem. 5.			Soph.

Table 2. (cont.)

Case:	Ju. Col.		Ju. Col.		K.S.C.		K.S.C.		Comp. : :K.S.C. : :Ju.Col. :	Comprehensives			Results
	credit		grade average		grade average		grade average			Man's Phys. World	Biol. in Rel. to Man	Man & Social World	
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.					
Humanities (Option A)													
1	60	1	60	129	2.15	57	118	2.07	-.18			(All)8; Soc.Sci. Surv.	Gr. '50
2	60	0 (3)	60	115	1.92	17	26	1.53	-.39	(All) 8; Geol. 3; Des. Physics 5.	(All)8; Biol. 5; Hygiene 3.		Wd.2 sem
3	56	0	56	81	1.45	61	60	.98	-.47		(All) 8; Biol. 5; Physiol. 3.		Gr. '50
4	29	0	29	45	1.55	15	10	.67	-.88		(Part)5;Gen. Zool. 5.		Dis.1sem
5	64	(1)	64	74	1.16	68	72	1.06	-.10			(All) 8; Econ. 5; Cont. Hist. 3.	Gr. '50
6	60	1	60	177	2.95	60	133	2.22	-.73	(Part) 5; Geol. 5.	(All) 8; Zool. 5; Physiol. 3.	(All) 8; Econ. 5; Cont. Am. Hist. 3.	Gr. '50
7	21	0	21	2	.10	60	21	.35	+.25				Dis.4 sem
8	60	1	60	104	1.73	60	106	1.77	+.04		(Part) 5; Bot. 5.	(Part) 5; Soc. 5.	Gr. '50
9	51	0	51	76	1.49	58	106	1.83	+.34		(All) 8; Zool. 5; Physiol. 3.	(All) 8; Soc. 5; European Hist. 3.	Gr. '50
10	27	0	27	41	1.54	97	121	1.25	-.29			(Part) 5; Soc. 5.	Gr. '50
11	29	1	29	44	1.52	95	164	1.73	+.21				Gr. '48
12	31	1	31	43	1.39	89	152	1.71	+.32			(All) 8; Soc. 5; Hist. 3.	Gr. '48
13	35	0	35	57	1.58	30	71	2.37	+.79			(Part) 5; Am. Govt. 5.	Wd.2 sem
14	64	(10)	64	71	1.11	68	55	.81	-.30	(All) 8; Physics 8.	(All) 8; Chem. 5; Health & Hyg. 3.		Gr. '50
15	33	1	33	66	2.00	87	128	1.48	-.52	(Part) 5; Chem. 5.	(Part) 5; Physiol. 5.		Gr. '49
16	58	0	58	89	1.54	62	118	1.90	+.36				Gr. '49
17	8	0	8	21	2.63	83	242	2.92	+.29				Wd. Sr.
18	32	0	32	70	2.19	65	165	2.54	+.35	(Part) 4; Chem. 4.	(All) 8; Bot. 5; Physiol. 3.		Wd. Sr.
19	13	0	13	26	2.00	107	219	2.05	+.05			(Part) 5; Soc. 5.	Gr. '50

Table 2. (cont.)

Case:	Ju. Col.			Ju. Col.			K.S.C.			Comp.	Comprehensives			Results
	credit			grade average			grade average			K.S.C.	Man's Phys. World	Man & Social World	Man and Cultural World	
	Accp.	Lost		Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.				
Physical Education (Men)														
1	46	16		46	101	2.20	78	197	2.53	+.33	(All) 8; Chem. 5; Physics 3.	(All 8; Soc.Sci.Surv. 8.		Gr. '50
2	58	6 (7)		58	70	1.21	12	11	.92	-.29	(All) 8; Chem. 5; Physics 3.	(All) 8; U.S.Govt. 3; U.S. Hist. 3; Psych. 2.		Wd. 1 sem
3	44	12		44	44	1.00	82	128	1.56	+.56		(All) 8; Econ. 3; Soc. 5.		Gr. '50
4	35	21		35	25	.71	7	- 1	-.14	-.85		(Part) 5; Econ. 5.		Wd. 1 sem
5	49	1		49	48	.98	55	57	1.04	+.06	(All) 8; Chem.I & II,8.	(All) 8; Am. Hist. 5; Am. Econ. Hist. 3.	(Part) 5; Ethics 2; Hist. ofW. Civil. 3.	Sr.
6	56	8 (1)		56	49	.88	65	69	1.06	+.18		(All) 8; Econ. 5; Soc. 3.	(All) 8; Eng. Lit. 4; Mod. European Hist. 4.	Sr.
7	48	0		48	35	.73	14	21	1.50	+.77		(All) 8; Am. Govt. 3; Econ. 5.	(All) 8; Comp.&Lit. 5; European Hist. 3.	Wd. 1 sem
8	30	2		30	33	1.10	30	27	.87	-.23		(Part) 5; Am. Govt. 5.		Wd. 2 sem
Physical Education (Women)														
1	48	0		48	62	1.29	25	36	1.44	+.15				Wd. 2 sem

Table 2. (cont.)

Case:	Ju. Col. credit	Ju. Col. Lost	Ju. Col. grade average	Ju. Col. grade average	K.S.C. grade average	K.S.C. grade average	Comp. :K.S.C. :Ju.Col.	Man & Social World	Comprehensives Biol. in Rel. to Man	Man & Cultural World	Results	
Industrial Chemistry												
1	46	2	46	122	2.65	89	252	2.84	+.19	(All) 8; Hygiene 3; Zool. 5.	(All) 8; Eng. Lit. 6; Ethics 2.	Gr. '47
2	64	0	64	122	1.91	64	111	1.73	-.18			Gr. '47
3	62	1	62	119	1.92	100	177	1.77	-.15			'48 & '50 (2 deg.)
4	31	2	31	45	1.45	105	156	1.49	+.04	(All) 8; Physiol. 3; Zool. 5.	(All) 8; Lit. 5; Hist. 3.	Gr. '48
5	65	0	65	171	2.63	75	182	2.43	-.20	(Part) 3; Gen. Psych. 3.	(Part) 5; Zool. 5.	Gr. '50
6	45	6	45	116	2.58	80	101	1.28	-1.30	(All) 8; Am. Govt. 5; Am. Econ. Hist. 3.		Gr. '48
Geology (Applied)												
1	10	0	10	10	1.00	13	- 7	- .54	-1.54			Dis.
2	25	6	25	20	.80	113	173	1.53	+.40			Gr. '50
3	47	0	47	84	1.79	72	102	1.42	-.37			Gr. '50

Table 2. (cont.)

Case:	Ju. Col.		Ju. Col.		K.S.C.		Comp.		Comprehensives		Results	
	credit		grade average		grade average		K.S.C.					
	Accep.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.	Man's Phys. World		Biol. in Rel. to Man
Social Science (Option B)												
1	56	0	56	81	1.45	61	61	1.00	-.45		(All) 8; Biol. 5; Physiol. 3.	Gr. '50
2	8	0	8	8	1.00	0	0	.00			(Part) 3; Physiol. 3.	Wd.1st sem
3	60	(3)	60	115	1.92	17	26	1.53	-.39	(All) 8; Des. Physics 5; Geog. 3.	(All) 8; Biol. 5; Hygiene 3.	Wd.2ndsem
4	17	0	17	17	1.00	49	52	1.06	+.06		(Part) 5; Zool. 5.	Wd.3rd sem
5	34	8	34	46	1.35	90	91	1.01	-.34	(All) 8; Physics I & II, 8.		Gr. '50
6	60	0	60	143	2.22	60	97	1.62	-.60			Gr. '48
7	51	2	51	137	2.69	85	157	1.85	-.84			Gr. '48
8	18	6	18	21	1.17	15	18	1.20	+.03			Wd.1st sem
9	32	0	32	14	.44	91	88	.97	+.53	(All) 8; Chem. 8.		Sr.
10	56	4	56	81	1.45	61	60	.98	-.47		(All) 8; Zool. 5; Physiol. 3.	Gr. '50
11	9	0	9	17	1.89	117	116	1.00	-.89			Gr. '50
12	60	(6)	60	111	1.85	11	13	1.18	-.67		(Part) 5; Zool. 5.	Wd.1stsem
13	60	4(6)	60	70	1.17	69	91	1.32	+.15	(Part) 5; Geol. 5.	(All) 8; Zool. 5; Physiol. 3.	Gr. '50
14	15	0	15	15	1.00	95	3.5	.37	-.63			Wd.1stsem
15	32	0	32	84	2.63	94	224	2.38	-.25		(Part) 5; Physiol. 5.	Gr. '50
16	63	0	63	100	1.59	59	97	1.64	+.05			Gr. '49
17	60	(1)	60	81	1.35	60	80	1.33	-.02			Gr. '47
18	60	(6)	60	84	1.40	60	83	1.38	-.02		(All) 8; Zool. 5; Bot. 3.	Gr. '49
19	50	0	50	64	1.28	77	34	.44	-.84			Sr.
20	41	8	41	70	1.71	78	128	1.64	-.07	(All) 8; Chem. 5; Qual. Anal. 3.		Gr. '49

Table 2. (cont.)

Case:	Ju. Col. credit	Ju. Col. grade average	K.S.C. grade average	Comp. K.S.C.	Comprehensives	Results
	Accep. : Lost	Hr. : Pts. : Av.	Hr. : Pts. : Av.	Ju.Col.:	Man & Cultural World	Biol. in Rel. to Man
Physical Science						
1	60 4	60 160 2.67	66 127 1.92	-.75	(All)8; Hist.W.Civil.3; Am.Lit.3; Types of Lit.2.	Gr. '50
2	64 (2)	64 89 1.38	59 27 .46	-.92		Sr.
3	51 0	51 80 1.57	83 92 1.11	-.46	(All)8; Eng. Hist.2; Chorus 1; Elem. Spanish 5.	Gr. '50
4	60 2	60 52 .87	67 64 .96	+.09		Gr. '50
5	64 (3.5)	64 63 .98	46 3 .07	-.91	(Part) 3; Wld. Civil. 3.	Jr.
6	36 0	36 48 1.33	84 107 1.27	-.06	(Part) 4; Sociology 4.	Gr. '47
7	64 0	64 93 1.45	60 157 2.62	+1.17	(All) 8; Am. Hist. 3; Lit. 5.	(All)8;Zool.5;Physio.3. Gr. '47
8	55 5	55 60 1.09	67 104 1.55	+.46		Gr. '50
Industrial Physics						
1	46 0	46 117 2.54	91 244 2.68	+.14	(All) 8; Eng. Lit. 5; Eng. Hist. 3.	Gr. '50
2	61 7	61 170 2.79	60 134 2.23	-.56	(Part) 3; Eng. Lit. 3.	Gr. '49

Table 2. (cont.)

Case:	Ju. Col.		Ju. Col.			K.S.C.			Comp.	Comprehensives		Results
	credit		grade average			grade average			K.S.C.	Man & Cultural World	Man & Social World	
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.			
Biological Science												
1	60	1	60	129	2.15	57	118	2.07	-.08	(All) 8; Am. Lit. 6; Cur. Lit. 2.	(All) 8; Soc. Sci. Survey 8.	Gr. '50
2	33	0	33	75	2.27	89	211	2.37	+.10			Gr. '48
3	60	0	60	156	2.60	15	27	1.80	-.80			Wd. 1 sem
4	61	3	61	140	2.29	12	16	1.33	-.96			Wd. 1 sem
5	60	(1)	60	105	1.75	62	80	1.29	-.46			Gr. '47
6	57	0	57	118	2.07	63	109	1.73	-.34			Gr. '49
7	43	0	43	110	2.55	61	172	2.82	+.27	(All) 8; Am. Lit. 5; Eng. Lit. 3.	(Part) 3; Sociology 3.	Wd. Sr.
8	60	0	60	93	1.55	61	121	1.98	+.43	(Part) 5; Eng. Lit. 5.	(All) 8; Econ. 5; Elem. Soc. 3.	Gr. '50
9	60	(4)	60	156	2.60	60	92	1.65	-.95		(Part) 5; Am. Hist. 5.	Gr. '50
10	60	(3)	60	163	2.72	67	126	1.88	-.84		(All) 8; Econ. 5; Eng. Lit. 3.	Gr. '48
11	60	0	60	89	1.32	60	60	1.00	-.32			Gr. '47
12	60	0	60	64	1.07	77	67	.87	-.20			Gr. '48
13	45	2	45	56	1.24	73	161	2.27	+1.03		(All) 8; Econ. 5; Am.Econ. Hist. 3.	Gr. '49
14	18	9	18	18	1.00	158	221	1.40	+.40		(All) 8; Econ. 5; Soc. 3.	Gr. '50
Medical Technician												
1	22	0	22	30	1.37	22	14	.64	-.73		(All)8;Psych.3;Health Ed.2;Mar.&Fam.3.	Wd.2sem
2	64	2 (13)	64	186	2.91	61	148	2.43	-.48	(All)8;Psych.3;Elem.German 5.		Gr.'50

Table 2. (cont.)

Case:	: Ju. Col. :		: Ju. Col. :		: K.S.C. :		: Comp. :		Comprehensives		:Results
	: credit :		: grade average :		: grade average :		: K.S.C. :		: Man & Cultural World :	: Man & Social World :	
	: Accp. :	: Lost :	: Hr. :	: Pts.:	: Av. :	: Hr. :	: Pts. :	: Av. :			
Pre veterinary											
1	32	0	32	68	2.13	161	379	2.35	+.22		2 deg.
2	39	11	39	77	1.88	65	120	1.85	-.03		Vet.Med.
3	25	6	26	63	2.52	115	171	1.49	-1.03		Vet.Med.
4	34	0	34	54	1.60	69	111	1.61	+.01	(Part) 4; Lit. 4.	(All) 8; Am. Govt. 5; Psych. 3. Vet. Med.
5	39	23	39	79	2.03	65	146	2.25	+.22	(All) 8; Soc. 5; Psych. 3.	(All) 8; Econ. 5; Am. Govt. 3. Vet. Med.
6	30	1	30	40	1.33	151	233	1.54	+.21		Gr. '49 Vet.Med.
7	9	15	9	9	1.00	164	342	2.09	+1.09		(Part) 5; Econ. 5. Gr. '49 Vet. Med.
8	31	4	31	73	2.35	73	115	1.58	-.77	(All) 8; Eng. Lit. 2; Hist. Civil.6.	Vet. Med.
9	16	17	16	19	1.19	171	241	1.41	+.22		Gr. '50 Vet. Med.
10	32	0	32	48	1.50	29	51	1.76	+.26		Vet. Med.

Table 2. (concl.)

										Comprehensives				
Case:	Ju. Col.		Ju. Col.		K.S.C.		K.S.C.		Comp.		Man's Phys. World:Biol. in Rel.:Man & Social World:Man & Cultural World			Results
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.		to Man			
Technical Journalism*														
1	51	0	51	58	1.14	69	79	1.14	.00	(All)8;Hyg.3; (All)8;Gen.Psych.3; (All) 8;Surv.W.Civil.3;Gr. '50 Anat. 5. Econ.3;Appl.Psych.2. Eng. Lit. 5.				
2	60	4 (4)	60	123	2.05	62	118	1.90	-.15	(Part)4;Eng.Lit. 2; Gr. '49 Reporting 2.				
3	9	0	9	12	1.33	113	183	1.62	+.29					Gr. '50
4	60	0	60	95	1.58	63	87	1.38	-.20	(Part)5;Geol.5.	(Part)4;Bot.4.	(All)8;Am.Lit. 3; Europ.Hist. 3; Current Lit. 2.		Gr. '50
5	60	1	60	74	1.23	61	87	1.43	+.20					Gr. '47

* Formerly Industrial Journalism.

Table 3. Summary of data for the School of Engineering and Architecture.

Case:	Ju. Col.		Ju. Col.		K.S.C.		Comp.		Comprehensives		Results
	credit		grade average		grade average		K.S.C.		Biol. in Rel. to Man	Man and Social World	
	Accep.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.		
Architecture											
1	7	52	7	8	1.14	125	157	1.26	+.12		Gr. '50
2	51	13 (3)	51	84	1.65	122	162	1.33	-.32		Gr. '50
3	30	33.5	30	30	1.00	109	132	1.21	+.21	(All) 8; Bot. 5; Biol. 3.	(All) 8; Econ. 3; Cont.Hist. 5. Sr.
4	31	12	31	65	2.10	66	134	2.03	-.07	(All) 8; Ent. 5; Bot. 3.	Sr.
5	35	29 (20)	35	84	2.40	16	42	2.63	+.23		Wd. 1 sem
6	26	36	26	20	.77	109	159	1.46	+.69		(All) 8; Am. Govt. 5; Econ. 3. Gr. '49
7	43	3	43	35	.81	70	80	1.14	+.33		Sr.
8	13	2	13	15	1.15	18	8	.44	-.71		Dis. 2 sem
9	26	34	26	25	.96	151	113	.75	-.21	(All) 8; Gen.Psych. 3; Geo. 5.	(All) 8; Soc. 5; Am. Govt. 3. Sr.
Architectural Engineering											
1	39	5	39	26	.67	108	106	.98	+.31		Gr. '50
2	27	4	27	55	2.04	111	229	2.06	+.02		(Part) 4; Eng. 4. Gr. '49
3	30	1	30	72	2.40	108	226	2.09	-.31		Gr. '50
4	70	1 (3)	70	146	2.09	72	92	1.28	-.81		(All) 8; Soc. 5; Govt. 3. Gr. '50
5	50	12	50	55	1.10	71	79	1.11	+.01		Gr. '50
6	51	5	51	111	2.18	72	111	1.54	-.64	(Part) 5; Zool. 5.	(All)8;Econ.3;Soc.3;Mod.Europ.2. Sr.
7	56	5	56	73	1.30	38	25	.66	-.64		Wd. 3 sem
8	62	3	62	92	1.45	70	83	1.19	-.26		Sr.
9	13	2	13	8	.62	14	32	2.29	+1.67		Wd. 1 sem
10	56	4	56	90	1.61	70	109	1.56	-.05	(All)8;Gen.Psych.3;Eng.Lit.2;Civil.3.	(All) 8; Econ. 5; Soc. 3. Sr.
11	48	14.5	48	63	1.31	97	104	1.07	-.24		(All)8;Soc.3;Geog.3;Theo.Invest.2.Gr. '49
12	40	15.5	40	45	1.13	109	133	1.22	+.09	(All) 8; Bot. 5; Biol. 3.	(All) 8; Econ. 3; Cont. Hist. 5. Gr. '49

Table 3. (cont.)

Chemical Engineering*										
Case:	Ju. Col. credit	: Ju. Col. grade average	: Ju. Col. grade average	: K.S.C. grade average	: K.S.C. grade average	: Comp. Results	: Ju. Col. Results			
: Accp.:	Lost	: Hr.:	Pts.:	Av.:	: Hr.:	Pts.:	Av.:	: Ju. Col.:		
1	64	2	64	110	1.72	56	47	.84	-.88	Wd.4 sem
2	50	13	50	69	1.38	74	96	1.16	-.22	Gr. '48
3	60	6	60	129	2.15	60	121	2.02	-.13	Sr.
4	55	2	55	137	2.49	94	163	1.73	-.76	Gr. '50
5	63	2.5	63	134	2.06	76	88	1.16	-.90	Gr. '50
6	60	6	60	123	2.05	74	83	1.12	-.93	Sr.
7	28	37	28	51	1.82	106	182	1.72	-.10	Sr.
8	65	3	65	170	2.62	78	141	1.81	-.81	Gr. '50
9	53	16 2/3	53	95	1.79	81	107	1.32	-.47	Gr. '49
10	62	4	62	143	2.31	73	146	2.00	-.31	Gr. '48
11	70	2 (4)	70	126	1.80	62	37	.60	-1.20	Sr.
12	62	3.5	62	48	.77	18	- 7 -	.39	-1.16	Dis.1 sem
13	39	2	39	102	2.62	69	74	1.07	-1.55	Sr.
14	61	2	61	83	1.37	6	6	1.00	-.37	Dis.1 sem
15	45	12	45	88	1.29	79	58	.73	-.56	Sr.
16	64	3	64	69	1.08	71	93	1.31	+.23	Sr.
17	67	1	67	172	2.57	67	109	1.63	-.94	Sr.
18	66	0	66	102	1.55	6	- 7 -	-1.17	-2.72	Dis.1 sem
19	63	0	63	103	1.63	79	132	1.67	+.04	Gr. '50
20	60	0	60	123	2.05	85	162	1.91	-.14	Gr. '50
21	50	5	50	54	1.08	5	- 8 -	-1.60	-2.68	Dis.1 sem
22	32	1	32	86	2.69	102	113	1.11	-1.58	Gr. '50
23	34	0	34	82	2.53	91	236	2.59	+.06	Gr. '48

* No comprehensive.

Table 3. (cont.)

Case:	Ju. Col.		Ju. Col.		K.S.C.		K.S.C.		Comp.		Comprehensive Man and Social World	Results
	credit		grade average		grade average		K.S.C.		K.S.C.			
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.			
Civil Engineering												
1	3	0	3	3	1.00	115	87	.71	-.29			Sr.
2	38	32 (14)	38	51	1.34	106	245	2.31	+.97	(All) 8; Mod. Europ. 3; Eng. Hist. 5.		Gr. '50
3	12	3	12	10	.83	44	- 13	-.30	-1.13			Dis. 3 sem
4	26	22	26	46	1.77	112	110	.99	-.78			Sr., Wd.
5	12	3	12	12	1.00	23	17	.74	-.26			Dis. 3 sem
6	5	27	5	8	1.60	133	140	1.05	-.55			Gr. '49
7	67	3 (9)	67	91	1.36	75	79	1.05	-.31			Gr. '50
8	46	8.5	46	56	1.22	93	122	1.31	+.09			Gr. '50
9	45	16	45	67	1.45	3	- 7	-2.33	-3.78	(All) 8; Mod. Europ. Hist. 5; Econ. 3.		Dis. 1 sem
10	67	3 (9)	67	121	1.78	71	85	1.20	-.58	(All) 8; Am. Govt. 3; Eng. Lit. 2; Econ. 3.		Gr. '50
11	50	20	50	76	1.54	88	159	1.81	+.27	(All) 8; Eng. Lit. 3; Econ. 3; Gen. Psych. 2.		Sr.
12	62	8 (1)	62	103	1.66	76	195	2.57	+.91			Gr. '49
13	58	4	58	96	1.66	48	33	.69	-.97			Wd.
14	34	6	34	84	2.47	106	159	1.50	-.97			Gr. '50
15	60	2	60	113	1.88	78	176	2.26	+.38	(All) 8; Mod. Europ. 5; Econ. 3.		Gr. '50
16	48	16	48	32	.67	15	- 12	-.80	-1.47	(Part) 5; Amer. Govt. 5.		Dis. 1 sem
17	62	3	62	99	1.60	66	39	.59	-1.01	(All) 8; Econ. 5; Eng. Lit. 3.		Sr.

Table 3. (cont.)

Case:	: Ju. Col. :		: Ju. Col. :		: K.S.C. :		: Comp. :		Comprehensives		Results	
	: credit :		: grade average :		: grade average :		: K.S.C. :		Man and Social World	Man and Cultural World		
	: Accep. :	: Lost :	: Hr. :	: Pts.: Av. :	: Hr. :	: Pts. : Av. :	: Ju.Col. :	:	:			
Electrical Engineering												
1	63	3	63	166	2.63	46	54	1.17	-1.46	(All)8; Econ. 5; Am. Govt. 3.	(All) 8; Eng. Lit. 5;Am.Govt. 3.	Sr.
2	64	4	64	102	1.59	72	83	1.14	- .45	(All) 8; Econ. 5; Psych. 3.	(All) 8; Eng. Comp. 5; Choir 2; Des. Geom. 1.	Sr.
3	30	2	30	35	1.17	111	88	.79	-.38			Sr.
4	11	0	11	25	2.27	133	302	2.27	.0			Gr. '49
5	41	21	41	67	1.68	96	101	1.05	-.63			Gr. '48
6	32	0	32	62	1.94	114	223	1.96	+.02			Gr. '49
7	64	6 (10)	64	103	1.61	73	100	1.37	-.24	(All) 8; Appl.Psych. 3; Gen. Psych. 3; U.S. Hist. 2.	(All) 8; Europ. Hist. 6; Eng. Lit. 2.	Sr.
8	31	0	31	31	1.00	62	31	.50	-.50			Jr.
9	35	0	35	50	1.43	14	4	.29	-1.14			Dis. 1 sem
10	61	3	61	99	1.62	51	39	.76	-.86	(Part) 4; Econ. 3; Rhet. 1.	(All) 8; West. Civil. 5; Hist. of Europe 3.	Sr.
11	63	5	63	103	1.63	83	76	.92	-.71	(All) 8; Econ. 5; Chem. 2; Wr. Com. I, 2.	(All) 8; Mod. Hist. 3; West. Civil. 5.	Gr. '50
12	53	10	53	90	1.70	7	9	1.29	-.31			Wd. 1 s.s.
13	31	1	31	52	1.68	108	227	2.10	+.42			Gr. '49
14	61	9 (3)	61	179	2.93	77	179	2.32	-.61	(Part) 5; Am. Govt. 5.		Gr. '50
15	35	0	35	70	2.00	104	174	1.67	-.33			Gr. '50
16	32	4	32	32	1.00	25	12.5	.50	-.50			Dis. 2 sem
17	50	18	50	118	2.36	73	110	1.52	-.84			Gr. '48
18	39	0	39	83	2.13	98.5	222.5	2.26	+.13	(All) 8; Econ. 5; Aero. 3.		Gr. '48
19	63	4	63	187	2.97	29	62	2.14	-.83			Wd. 2 sem

Table 3. (cont.)

	: Ju. Col. :		: Ju. Col. :		: K.S.C. :		: Comp. :		Comprehensives		:
Case:	: credit :		: grade average :		: grade average :		: K.S.C. :		Man and Social World		: Results
	: Accp. :	: Lost :	: Hr. :	: Pts.:	: Av. :	: Hr. :	: Pts. :	: Av. :	: Ju.Col. :	: Man and Cultural World	:
Electrical Engineering											
20	8	12	8	19	2.37	116	194	1.67	-.70	(All) 8; Am.Govt. 5; Acct. 3.	Sr.
21	58	4	58	90	1.55	78	173	2.22	+.67	(Part) 5; Am. Econ. Hist. 5.	Sr.
22	47	1	47	77	1.64	89	156	1.59	-.05	(All) 8; Am. Econ. Hist. 3; Econ. 5.	Gr. '48
23	50	10	50	32	.64	47	29	.62	-.02		Wd. 4 sem
24	67	2	67	113	1.69	70	30	.50	-1.19		Sr.
25	60	7	60	105	1.75	73	117	1.60	-.15	(All) 8; Soc. World 5; Econ. 3.	Gr. '50
26	34	5	34	97	2.85	84	179	1.77	-1.08		Sr.
Agricultural Engineering											
1	26	5	26	54	2.08	70	91	1.30	-.78	(All) 8; Comp. Anat. 3; Zool. 5.	Wd. 4 sem

Table 3. (cont.)

Case:	: Ju. Col. :		: Ju. Col. :		: K.S.C. :		: Comp. :		: Compensives :		Results
	: credit :		: grade average :		: grade average :		: K.S.C. :		: Biol. in Rel. to Man or Man and Cultural World :		
	: Accp. :	: Lost :	: Hr. :	: Pts.: Av. :	: Hr. :	: Pts. : Av. :	: Ju.Col. :				
Industrial Arts											
1	16	9	16	24	1.50	98	114	1.16	-.34		Sr.
2	60	8	60	66	1.10	62	31	.50	-.60	(All)8;Econ.2;Rhet.1;Cont.Wld.Hist.5.	Dis.4sem
3	47	8	47	70	1.49	86	163	1.90	+.41	(All) 8; Engg. Physics 8.	Gr. '50
4	21	11	21	17	.81	125	177	1.41	+.60		Gr. '49
5	54	16 (2)	54	69	1.20	45	31	.69	-.51	(All)8; Bot. 5; Hygiene 3.	Wd.4 sem
6	39	9	39	43	1.10	104	115	1.11	+.01		Gr. '50
7	57	9	57	92	1.61	80	110	1.38	-.23		Gr. '48
8	54	15	54	82	1.52	92	121	1.32	-.20	(All) 8; Logic 3; Econ. 5.	Gr. '50
9	53	9	53	71	1.15	92	166	1.80	+.65		Gr. '50
10	39	7	39	58	1.49	106	177	1.67	+.18		Gr. '49
11	8	7	8	11	1.39	141	206	1.46	+.07		Gr. '50

Table 3. (cont.)

	: Ju. Col. :			: Ju. Col. :			: K.S.C. :			:Comp. :	
Case:	credit			grade average			grade average			:K.S.C. :	Results
	:Accep.:	Lost		Hr.:	Pts.:	Av. :	Hr. :	Pts.:	Av. :	Ju.Col.:	
Mechanical Engineering*											
1	41	2	41	39	.95	70	42	.60	-.35	Wd.5 sem	
2	51	12	51	54	1.06	60	39	.65	-.41	Sr.	
3	58	3	58	85	1.47	77	38	.49	-.98	Sr.	
4	13	2	13	34	2.62	98	83	.85	-1.77	Sr.	
5	38	8	38	51	1.34	104	177	1.70	+.26	Gr. '50	
6	29	5	29	24	.83	13	6	.46	-.37	Wd.1 sem	
7	58	4	58	75	1.29	77	134	1.74	+.45	Gr. '49	
8	50	13	50	69	1.38	74	96	1.16	-.22	Gr. '48	
9	42	7	42	39	.93	104	123	1.18	+.25	Gr. '49	
10	25	8	25	23	.92	40	10	.25	-.67	Wd.4 sem	
11	18	8	18	27	1.50	110	126	1.15	-.35	Gr. '48	
12	61	0	61	89	1.46	75	61	.81	-.65	Gr. '49	
13	67	1	67	120	1.79	75	111	1.48	-.31	Gr. '50	
14	61	2	61	117	1.92	72	96	1.33	-.59	Gr. '49	
15	63	0	63	120	1.91	67	63	.94	-.97	Gr. '50	
16	62	8	62	58	.94	33	0	.00	-.94	Dis. 3 se	
17	29	1	29	47	1.62	81	72	.89	-.73	Sr.	
18	34	0	34	48	1.42	60	17	.28	-1.14	Dis.4 sem	
19	61	8	61	92	1.51	75	65	.87	-.64	Sr.	
20	53	7	53	49	.92	34	- 6	-.18	-1.10	Dis.4 sem	
21	55	5	55	100	1.82	85	88	1.04	-.78	Gr. '49	
22	36	2	36	47	1.31	98	94	.94	-.37	Gr. '49	
23	65	2.5	65	110	1.69	74	108	1.46	-.23	Gr. '49	

Table 3. (cont.)

	: Ju. Col. :			: Ju. Col. :			: K.S.C. :			:Comp. :	
Case:	: credit :			: grade average :			: grade average :			:K.S.C. :	:Results
	:Accp.:	Lost	:	Hr.:	Pts.:	Av. :	Hr. :	Pts.:	Av. :	:Ju.Col.:	
Mechanical Engineering*											
24	55	14		55	107	1.95	81	126	1.56	-.39	Gr. '50
25	48	3		48	64	1.33	3.5	- 7	-.50	-1.83	Dis.1 sem
26	55	5		55	120	2.31	81	171	2.11	-.20	Gr. '49
27	65	4.5		65	110	1.69	83	117	1.41	-.28	Gr. '50
28	32	0		32	53	1.68	51	39	.77	-.91	Dis.4 sem
29	31	3		31	55	1.77	103	168	1.63	-.14	Gr. '48
30	34	21		34	31	.91	14	- 7	.50	-1.41	Dis.1 sem
31	63	3		63	125	2.00	79	77	.97	-1.03	Gr. '50
32	44	17		44	81	1.84	106	147	1.39	-.45	Gr. '50
33	13	1		13	3	.23	40	53	1.33	+1.10	Wd.3 sem
34	30	0		30	41	1.37	13	-12	-.92	-2.29	Dis.1 sem
35	27	2		27	45	1.67	99	102	1.03	-.64	Gr. '50
36	39	0		39	97	2.49	33	57	1.73	-.76	Jr.
37	57	11		57	141	2.47	83	120	1.44	-1.03	Gr. '49
38	40	6		40	37	.93	12	4	.33	-.60	Dis.1 sem
39	40	7		40	62	1.55	14	2	.14	-1.41	Dis.1 sem
40	40	2		40	92	2.30	93	117	1.26	-1.04	Gr. '50
41	66	4 (4)		66	85	1.29	75	85	1.13	-.16	Gr. '50
42	16	5		16	8	.50	19	21	1.15	+.65	Wd.2 sem
43	32	1		32	41	1.28	104	110	1.06	-.22	Gr. '49
44	54	12.5		54	51	.95	78	106	1.36	+.41	Sr.
45	64	4		64	128	2.00	73	87	1.19	-.81	Sr.
46	63	0		63	110	1.75	72	111	1.54	-.21	Gr. '49

Table 3. (concl)

: Ju. Col. :			: Ju. Col. :			: K.S.C. :			:Comp. :		
Case:	credit		:	grade average		:	grade average		:	K.S.C.	:Results
:Accp.: Lost :			Hr.: Pts.: Av. :			Hr. : Pts.: Av. :			:Ju.Col.:		
Mechanical Engineering*											
47	21	41		21	35	1.67	120	174	1.45	-.22	Gr. '50
48	63	7 (3)		63	76	1.21	69	97	1.41	+.20	Gr. '50
49	59	6		59	66	1.12	82	114	1.39	+.27	Gr. '50
50	56	9		56	115	2.05	72	88	1.21	-.84	Gr. '49
51	13	2.5		13	16	1.23	129	174	1.35	+.12	Gr. '48
52	27	6		27	50	1.85	107	114	1.06	-.79	Gr. '49
53	49	4		49	52	1.06	87	99	1.14	+.08	Gr. '48
54	29	2		29	14	.48	17	10	.59	+.11	Wd.3 sem
55	31	28		31	64	2.06	94	122	1.30	-.76	Gr. '48
56	67	0		67	177	2.64	75	187	2.49	-.15	Gr. '50
57	63	2		63	135	2.14	70	105	1.50	-.64	Sr.
58	64	6(1)		64	93	1.45	20	16	.53	-.92	Wd.2 sem
59	40	14		40	47	1.18	17	0	.00	-1.18	Wd.2 sem
60	54	7		54	51	.94	74	82	1.11	+.17	Sr.
61	61	9		61	101	1.66	48	84	1.75	+.09	Sr.
62	30	30		30	58	1.90	0	0	.00	-1.90	Dis.1sem
63	13	0		13	8	.61	125	149	1.19	+.58	Gr. '48
64	19	4		19	19	1.00	10	1	.10	-.90	Dis.1sem
65	26	4.5		26	36	1.38	122	176	1.44	+.14	Gr. '49
66	49	16		49	86	1.76	99	98	.99	-.77	Gr. '48
67	9	19		9	13	1.44	122	154	1.26	-.18	Gr. '49

* No comprehensive.

Table 4. Summary of data for the School of Home Economics.

Case:	Ju. Col.		Ju. Col.		K.S.C.		K.S.C.		Comp.		Comprehensives			
	credit		grade average		grade average		K.S.C.		K.S.C.		Biol. in Rel. to Man:Man's Phys. : Man & Social : Man & Cultural World: Results			
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.		World	World		
Home Economics														
1	57	5 (10)	57	131	2.30	62	135	2.18	-.12			(All)8;Soc.3; Econ. 5.		Gr. '50
2	31	3	31	65	2.10	92	163	1.77	-.33					Gr. '48
3	56	5	56	80	1.43	27.5	53.5	2.48	+1.05					Wd.2 sem
4	31	0	31	42	1.35	26	33	1.27	-.08		(All)8;Chem.8.			Jr.
5	62	(7)	62	79	1.27	60	74	1.23	-.04					Gr. '59
6	35	27 (4)	35	36	1.03	54.5	47	.86	-.17	(Part)4;Gen.Zool.4.		(Part)4;Soc.5. (Part)4;U.S.Hist.4.		Wd.4 sem
7	28	4	28	38	1.36	36	42	1.14	-.22					Wd.4 sem
8	14	0	14	27	1.93	109	174	1.60	-.33					Gr. '48
9	41	1	41	65	1.59	87	102	1.18	-.41					Gr. '47
10	15	0	15	10	.67	114	117	1.02	+.35					Gr. '48
11	3	6	3	3	1.00	28	2	.07	-.93					Wd.2 sem
12	18	0	18	54	3.00	104	250	2.40	-.60					Gr. '48
13	44	18	44	77	1.75	29	43	1.48	-.27					Wd.2 sem
14	60	0	60	148	2.47	60	133	2.22	-.25					Gr. '50
15	60	2	60	121	2.02	14	26	1.86	-.16	(All)8; Zool.4; Physiol. 4.		(Part)4;Am.Govt.1;Gen.Psych.3. (Part)4;Eng. Comp.4.		Wd.1 sem
16	58	3	58	147	2.53	61	121	1.98	-.55	(All)8; Zool.4; Physiol. 4.		(Part)4.Am.Govt.4. (Part)4;Eng.4.		Gr. '50
17	48	12	48	95	1.97	60	133	2.22	+.25	(All)8; Zool.5; Physiol. 3.				Gr. '50
18	57	5 (1)	57	82	1.44	62	55	.89	-.55	(All)8; Zool. 5; Physiol. 3.		(All)8;Econ. 5;(All)8;Am.Hist.5; Psych. 3. Lit. 3.		Gr. '50
19	57	5 (1)	57	143	2.51	31	75	2.38	-.13	(All)8; Biol. 4; Physiol. 4.		(Part)4;Econ.4.		Sr.

Table 4. (cont.)

Case:	Ju. Col.			Ju. Col.			K.S.C.			Comp.	Comprehensives			
	credit			grade average			grade average			K.S.C.	Biol. in Rel. to Man:	Man's Phys.	Man & Social	Man & Cultural World: Results
	Accp.	Lost		Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.	World	World	World	
										Home	Economics			
20	13	2		13	6	.46	31	9	.29	-.17				Wd.2 sem
21	60	0		60	139	2.32	60	134	2.23	-.11				Gr. '50
22	54	6		54	100	1.85	13	12	.92	-.93				Wd.1 sem
23	54	8 (3)		54	126	2.33	60	83	1.38	-.95	(All)8; Zool.5; Physiol. 3.		(All)8;Econ. 5;Psych.3.	Gr. '49
24	59	1		59	92	1.56	29	28	.97	-.59				Wd.2 sem
25	60	2 (2)		60	93	1.55	24	29	1.21	-.34				Wd.2 sem
26	55	6		55	57	1.04	63	62	.91	-.13				Gr. '50
27	25	10		25	54	2.16	13.5	22	1.63	-.53				Wd.2 sem
28	28	2		28	57	2.04	90	169	1.88	-.16			(Part)4;Eng. 4.	Gr. '49
29	60	2 (1)		60	100	1.66	55	84	1.53	-.13				Sr.
30	48	3		48	49	1.02	76	74	.97	-.05				Gr. '49
31	57	8		57	124	2.18	57	141	2.10	-.08				Gr. '47
32	61	1		61	99	1.62	62	81	1.31	-.31				Gr. '47
33	59	2		59	128	2.17	31	27	.87	-1.30				Wd.2 sem
34	19	5		19	28	1.42	8	14	1.75	+.33				Wd.1 sem
35	32	0		32	38	1.19	96	105	1.09	-.10				Gr. '48
36	28	4		28	45	1.61	19	17	.89	-.72				Wd.2 sem

Table 4. (concl.)

	Ju. Col.	Ju. Col.	K.S.C.	Comp.	Comprehensives											
Case:	credit	grade average	grade average	K.S.C.	Biol. in Rel. to Man:	Man's Phys.	Man & Social	Man & Cultural World	Results							
	Accp.	Lost	Hr.	Pts.	Av.	Hr.	Pts.	Av.	Ju.Col.	World	World	World	World	World		
Home Economics with Provision for Specialization																
1	47	15 (4)	47	90	1.91	27	43	1.59	-.32	(Part)4; Zool. 4.				(All)8; Am.Lit. 2; West. Civil. 3; Type Lit. 3.	Wd.2 sem	
2	57	5 (5)	57	109	1.91	66	121	1.83	-.08						Gr. '49	
3	57	5 (2)	57	87	1.53	63	85	1.35	-.28	(Part) 4; Zool. 4.				(Part)5; Am.Hist.2; Mod. Hist. 3.	Gr. '50	
4	32	0	32	32	1.00	102	163	1.60	+.60						Gr. '48	
5	58	2	58	140	2.41	67	132	1.97	-.44				(Part)3;Econ. Hist. 3.		Gr. '47	
6	62	0	62	125	2.02	60	85	1.42	-.60						Gr. '48	
7	62	(3)	62	136	2.19	60	86	1.45	-.74						Gr. '48	
Dietetics and Institutional Management*																
1	55	8	55	114	2.07	13	6	.46	-1.61			(Part)4;Soc.4.	(Part) 4; Lit. 4.		Wd.1 sem	
2	63	3	63	112	1.78	60	65	1.08	-.70						Gr. '50	
Home Economics and Nursing**																
1	57	5	57	112	1.96	32	22	.69	-1.27						To K.U.	
2	31	0	31	69	2.23	51	54	1.17	-1.17						Wd.4 sem	

* Two comprehensives: Man and Social World and Man and Cultural World.

** One comprehensive only: Man and Cultural World.

The major objective of this thesis is to furnish the junior colleges of Kansas with an appraisal of the junior college program of study as it fits into the various curriculums at Kansas State College. A list of pertinent questions frequently asked by junior college officials and junior college transfer students was compiled. Visits were made to 12 of the 14 state junior colleges in the spring of 1950 for the purpose of conferring with junior college deans and students regarding these problems. Answers to many of these questions were secured through research and are presented in this thesis.

As a means of securing statistical data relative to junior college transfer students, a study was made of the records of 415 junior college transfer students who entered Kansas State College between January 1, 1945 and January 1, 1950. The items listed in securing these data were: junior college hours accepted, junior college hours lost, grade point average on junior college work accepted, hours earned at Kansas State College, grade point average on work completed at Kansas State College, comparison of Kansas State College work with junior college work, comprehensive courses required in the curriculum entered with a listing of all courses and hours accepted as substitutions, and the outcome of the student's work at Kansas State College.

The results of this research indicate that 75 per cent of the junior college transfer students are successfully

completing work for degrees from Kansas State College, while only 7 per cent are dismissed for failing to meet minimum scholastic requirements. The remaining 18 per cent are leaving Kansas State College before completing degree requirements. In comparing quality of work determined by grade-point averages, it is revealed that 67 per cent of these 415 transfer students did as well or better in senior college work as they had done in junior college.

The loss of junior college credits varied by schools and by curriculums entered, but the average loss per student included in this study is 6 credit hours. Many transfer students met all requirements for full junior standing at Kansas State College without loss of credit while others in extreme cases lost a large number of their junior college credits in transferring. These latter students usually had changed their educational objective after they were well along in their college work. They would have lost approximately the same amount of credit if their work had been taken at this institution and they had made the same change of educational objective.

To facilitate transferring, a complete recommendation of procedure is outlined step by step for the junior college student to follow. Also, there is included a description of each of the comprehensive courses required in the various curriculums at Kansas State College with suggested courses

which will serve as suitable substitutions for these comprehensives. Substitute courses are listed from junior college catalogues.

Each junior college in Kansas is to be furnished with a copy of this thesis. It is hoped that this research will answer many of those questions most frequently asked by prospective transfer students and that it will furnish the junior college student who plans to continue his or her education at Kansas State College with information which will be helpful in planning a total college program. It is also hoped that it will aid those in charge of guidance and counseling programs in the junior colleges by furnishing them with specific information relative to problems encountered by students in transferring to Kansas State College.