



AUDIO-VISUAL COMMUNICATIONS

THE UNDERGRADUATE AND GRADUATE
PROGRAM OF STUDY

INDIANA UNIVERSITY
1959-60

BLOOMINGTON, INDIANA
JANUARY, 1959

Application Forms and Further Information

Individuals interested in further specific information concerning the undergraduate and graduate programs in audio-visual communications at Indiana University should include in their inquiries information concerning previous training and experience. Requests for information and for application blanks should be sent to:

L. C. Larson, Director
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Indiana University
Bloomington, Indiana

Professional Study in Audio-Visual Communications

Indiana University, 1959-60

There is an increasing awareness of the need for improving techniques of communication in all areas of endeavor. Wherever persons are interested in modifying their own behavior or the behavior of others, the significant contribution of audio-visual materials in the communicative process has become recognized. Thus, individuals, schools, community organizations, business, industry, trade, professions, and government are using motion pictures, slides, filmstrips, flat pictures, graphic materials, radio, recordings, television, and other materials with increasing success to (1) share information and ideas, (2) promote understanding of concepts and generalizations, (3) develop skills, (4) provide a basis for group discussion of problems, and (5) cultivate desirable personal and social habits and attitudes. As a result of the demonstrated effectiveness of these materials, organizations are requiring the services of a growing number of teachers, adult leaders, audio-visual professional personnel, and others who are competent in production, selection, circulation, administration, utilization, and research related to these media.

The program of professional education in audio-visual communications at Indiana University is planned for students interested in career appointments as (1) elementary and secondary school audio-visual or instructional materials coordinators and school system supervisors; (2) audio-visual communications specialists in administration, utilization, production, training, and research in college and university audio-visual communications programs; and (3) audio-visual communications specialists in administration, utilization, production, training, and research in agencies of government, religious organizations, farm and labor groups, business and industry, health and welfare agencies, and non-profit organizations and associations on local, state, national, and international levels.

To provide training for persons interested in careers of this nature, Indiana University offers a program of professional preparation in audio-visual communications which will enable undergraduate students to obtain a minor in audio-visual communications or a special service area in school library and audio-visual services and graduate students to pursue a program of courses leading to the Indiana audio-visual supervisor's certificate, either a major or minor concentration on either the Master's or Doctor's degree in the School of Education or in the Graduate School, or a major on the Specialist's degree in the School of Education.

Degree and certificate requirements are summarized below. Complete information is contained in the *Bulletin of the Undergraduate Division of the School of Education*, the *Bulletin of the Graduate Division of the School of Education*, and the *Bulletin of the Graduate School*. Any of these bulletins may be requested from the Registrar, Indiana University, Bloomington, Indiana.

Professional Roles and Related Curricula in Audio-Visual Communications

Audio-visual communications is that area of concern involving the systematic analysis of communications problems and the preparation, use, and evaluation of audio-visual materials for the solution of these problems. Whether individuals select a formal instructional situation as their area of professionalization or choose to promote programs of an informal nature in whatever role they may have in government, business, industry, trade, profession or the community, they soon recognize as their focal problem—effective communication. The successful use of filmstrips, slides, recordings, motion pictures, radio, and television in achieving effective communication has resulted in recognition of the increasing scope and value of *professional competency* in audio-visual communications.

Suggested sequences of audio-visual courses are outlined on page 12 for those who wish to prepare themselves for the formal or informal educational situation. Adjustments are made for the divergent backgrounds and goals of students in the form of specific programs of courses determined on an individual basis, particularly for students whose goals lie in the informal situation.

A. Formal Education

I. Public Schools

(a) Audio-Visual Coordinator

According to a ruling by the Commission on General Education in Indiana, the more than 1500 elementary and secondary schools holding a continuous or higher commission must appoint a school building audio-visual coordinator who has a minimum of five semester hours of course work in audio-visual

education. Building coordinators in elementary or secondary schools are responsible for working with teachers toward the improvement of instruction through the selection, preparation, and use of audio-visual materials. They also establish administrative procedures involving the ordering, obtaining, and returning of materials and equipment; conduct in-service teacher training sessions; and coordinate the efforts of student assistants in performing the clerical, mechanical, and preparation duties. Prospective building coordinators are urged to take the courses listed on page 12 which are especially designed to meet their needs. It will be noticed that students obtaining certification in an auxiliary area in school library and audio-visual services in elementary education or a comprehensive area in language arts or other subject areas and a special service area in library science with electives in audio-visual communications in secondary education or as audio-visual supervisor would simultaneously complete the requirements for audio-visual coordinator.

(b) Instructional Materials Coordinator

Students holding an elementary auxiliary area certificate in school library and audio-visual services or a secondary special service area certificate in library science with electives in audio-visual communications assist the teachers in the school building in obtaining needed audio-visual and library materials and equipment and in suggesting new ways of using all types of instructional materials as well as bringing to their attention new materials that become available. They also work directly with pupils in meeting their needs for materials. At Indiana University the Audio-Visual Center and the Division of Library Science are collaborating to provide the necessary course work and training for candidates desiring certification in the auxiliary service area of school library and audio-visual services.

(c) Audio-Visual Supervisor

The Indiana State Board of Education has established for the certification of audio-visual supervisors requirements which are comparable to those recommended by the Department of Audio-Visual Instruction of the National Education Association and which correspond in the main to the requirements established in other states. The audio-visual supervisor working with teachers and coordinators on either an individual-building or school-system basis (1) arranges for the procuring, distribution, and production of audio-visual materials for use in instruction, (2) organizes teacher previewing committees in the evaluation of materials and equipment, (3) plans and conducts in-service training programs, (4) assists in the preparation of materials designed to interpret the work of the school, and (5) assumes responsibility for determining budgetary requirements. He is active in curriculum planning committees in order to improve instruction through the better use of audio-visual materials. Where an individual school or system has an audio-visual library along with production facilities for the preparation of instructional materials, the supervisor would likely have administrative responsibility for the entire audio-visual program.

It is recommended that students completing requirements for certification as an audio-visual supervisor consider the advisability of dual certification as a general supervisor or principal by the appropriate selection of the basic required courses as indicated on page 17. Those who do not wish dual certification may select appropriate courses from any one of the related areas of concentration listed on pages 13 to 15. In addition to fulfilling the certification requirements, a supervisor may elect to continue further professional training by selecting one of two sequences of course work suggested for the Specialist's degree in audio-visual communications.

II. Colleges and Universities

On the college and university level the specialist in audio-visual communications may assume a variety of responsibilities in areas of administration, training, services, and research. Depending on the nature of the audio-visual program, the objectives of the institution, and the competencies of the specialist in audio-visual communications, professional involvement on this level may be in the form of teaching audio-visual courses on the campus and at university extension centers, provision of services through a rental library of audio-visual materials, as well as production activity on and off the campus, and, in some cases, conducting of research in the field of audio-visual communications. Appointment to positions on the college and university level usually requires that the student has either completed or nearly completed his training program for the Doctor's degree.

B. Informal Education

I. State, National, and International Organizations

- (a) Various branches of state and federal governments are active in areas, such as health, agriculture, and conservation, and administer continuing programs of public information on matters of public interest. In such programs extensive use is often made of audio-visual media, such as television, films, pamphlets, and posters.
- (b) A number of organizations are active internationally in promoting programs of informal education. The federal government sponsors or initiates a wide variety of activities through such agencies as the International Cooperation Administration and the United Nations and cooperates with other nations in furthering programs of fundamental education. In such programs the specialist in audio-visual communications frequently plays a leading role in production, utilization, and research functions.
- (c) Various non-profit service organizations, societies, associations, and foundations, such as the American Heart Association and the American Cancer Society, have continuing programs of public education involving the production and use on a large scale of communications media, such as television, film, posters, and pamphlets. Similarly, church organizations on the national and regional levels have well-established programs of religious education intended not only for their own church members but for community-wide audiences as well. An increasing number of such programs require the leadership and services of individuals especially trained in the production and effective use of audio-visual media of communication.

II. Business and Industry

- (a) Commercial organizations producing educational film often require the services of individuals trained in audio-visual communications. Usually the person is required to have a Master's degree with a major emphasis in audio-visual communications. A Specialist's or Doctor's degree may be desirable. Again, the particular responsibilities in the area of production, distribution, or research depend on the training and competencies of the individual.
- (b) Individual companies in business and industry usually carry on extensive training programs orienting and training new employees, continuing educational campaigns within plants, such as educational programs to improve safety, and training sessions for supervisory, managerial, and sales staff. Public relations or education departments often are instrumental in the production and distribution of sponsored materials that are distributed to schools and to the general public. In these varied activities the specialist in audio-visual communications often plays an important part advising upon and in some cases actually producing and distributing a wide variety of audio-visual materials designed to achieve the objectives of the particular programs.
- (c) Voluntary organizations or associations of businesses and industries are frequently instrumental in promoting industry-wide programs of informal education on the state and national basis. Such programs, designed for members and frequently for the public, make considerable use of a wide variety of audio-visual media and thus call for the active involvement of a specialist in audio-visual communications.

Undergraduate Program

Admission

Inquiries and applications of all freshmen and undergraduate transfer students should be addressed to the Associate Registrar for Admissions, Indiana University, Bloomington, Indiana. He will furnish application blanks and answer questions. Special qualifications and special counseling problems will be carefully studied and individual help given where possible.

Degrees and Curricula

The Bachelor of Science in Education degree is offered by the School of Education. Students in the School of Education who are preparing to serve as school audio-visual coordinators must meet the requirements for the Bachelor of Science in Education degree, including the required professional curriculum for elementary or secondary teaching. More

complete information can be obtained in the *School of Education Announcements for the Undergraduate Program*. Students who do not plan to teach may substitute appropriate courses for the required professional curriculum for elementary and secondary teaching. (See typical programs, pp. 8 and 9.)

Professional Positions in Public Schools

Students interested in serving as audio-visual coordinators must complete a minimum of five semester hours in audio-visual communications. It is suggested, however, that the students take a more systematic program of courses on an elective basis or take a restricted area in audio-visual communications.

A restricted area in audio-visual communications (comprising 24 semester hours to be arranged as follows) is offered for graduation purposes:

- (1) A minimum of 10 semester hours in the following fields: survey and utilization of audio-visual materials; selection and organization of audio-visual materials for use; preparation of inexpensive audio-visual materials; and production of audio and photographic materials;
- (2) A minimum of eight semester hours in a behavioral science such as anthropology, psychology, or sociology;
- (3) A minimum of six semester hours of electives in cognate areas, such as library science, radio and television, journalism, speech and theatre, fine arts; in behavioral sciences; or in additional audio-visual courses.

Students interested in taking a restricted area in audio-visual communications should take a special area of 60 semester hours in a subject area. A typical program for a special area in biological science and general science is given on pages 4 and 5 and in social studies on page 5. A special area may be taken from a number of subject areas. More complete information can be obtained in the *School of Education Announcements for the Undergraduate Program*.

TYPICAL PROGRAM WITH A SPECIAL AREA IN BIOLOGICAL SCIENCE AND GENERAL SCIENCE AND SELECTED ELECTIVES IN AUDIO-VISUAL COMMUNICATIONS FOR STUDENTS PREPARING TO SERVE AS A BIOLOGY AND GENERAL SCIENCE TEACHER AND AUDIO-VISUAL COORDINATOR

Freshman and Sophomore

	Hours
Bact B200 Microbiology in Relation to Man: Lectures	3
Bact B205 Microbiology in Relation to Man: Laboratory	2
Biol Electives	5
Bot B101 Plant Biology	5
Bot B203 Survey of Plant Kingdom	5
Chem C101 Descriptive Survey of Chemistry I	5
Ed F100 Introduction to Teaching	2
Eng W101-2 Elementary Composition I-II	4
FA H100 Art Appreciation	2
Ling L103 Introduction to the Study of Language: Content and Techniques of Linguistics	3
Lit Elective	2
Music M174 Appreciation of Music I	2
Prac Arts Elective	2
Psych P101 Introductory Psychology I	3
Psych P111 Introductory Laboratory Psychology I	2
Soc S161 Principles of Sociology	3
Soc S163 Social Problems	3
Speech S121 Public Speaking I	2
Zool Z103 Animal Biology	5
Military (men)	4
Phys Ed	2

Junior and Senior

	Hours
Biol Electives	11
Ed M449 Methods of Teaching High School Science	5
Ed M480 Student Teaching in the High School	8
Ed P240 Educational Psychology for Secondary Teachers	3
Ed R523 Utilization of Audio-Visual Materials	3
Ed R533 Organization and Curricular Integration of Audio-Visual Media	3
Ed R543 Preparation of Inexpensive Instructional Materials	2
Ed R546 Survey of Audio-Visual Communications	3
Ed S485 Secondary Education and Guidance	3
Geog G315 Conservation of Natural Resources	3
HPER H464 Organization of Health Education	2
Physio P204 Elementary Human Physiology	5
Psych P325 Human Learning	3
Zool Z215 Developmental Anatomy	5
Zool Z104 Ornithology	2
Zool Z364 General and Human Heredity	3
	64

TYPICAL PROGRAM WITH A SPECIAL AREA IN SOCIAL STUDIES AND SELECTED ELECTIVES IN AUDIO-VISUAL COMMUNICATIONS FOR STUDENTS PREPARING TO SERVE AS A SOCIAL STUDIES TEACHER AND AUDIO-VISUAL COORDINATOR

Freshman and Sophomore

	Hours
Ed F100 Introduction to Teaching	2
Eng W101-2-3 Elementary Composition I-II-III	6
FA H100 Art Appreciation	2
Geog G105 Introduction to Physical Geography	3
Geog G210 Introduction to Cultural Geography	3
Gov G103-4 Introduction to American Government I-II	6
Hist H103-4 History of Western European Civilization I-II	6
Hist H105-6 American History: General Course I-II	6
Lit Elective	3
Music M174 Appreciation of Music I	2
Prac Arts Elective	2
Psych P101 Introductory Psychology I	3
Science Elective	5
Speech S121 Public Speaking I	2
Soc S161 Principles of Sociology	3
Soc S163 Social Problems	3
Military (men)	4
Phys Ed	2
	63

Junior and Senior

	Hours
Anth A303 Survey of Anthropology: Culture, Language, Personality	3
Econ E201-2 Principles of Economics I-II	6
Ed M443 Methods of Teaching High School Social Studies	5
Ed M480 Student Teaching in the High School	8
Ed P240 Educational Psychology for Secondary Teachers	3
Ed R453 Radio and Television in Education	3
Ed R523 Utilization of Audio-Visual Materials	3
Ed R533 Organization and Curricular Integration of Audio-Visual Media	3
Ed R543 Preparation of Inexpensive Instructional Materials	2
Ed R546 Survey of Audio-Visual Communications	3
Ed S485 Secondary Education and Guidance	3
Hist Elective	9
Soc St Elective	8
Soc S333 Social Psychology and Its Group Aspects	3
Soc S336 Sociological Aspects of Group Communication	3
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Students interested in the coordination of an instructional materials program may take a combined program of courses in library science and audio-visual communications. A typical program for an elementary teacher with an auxiliary area in school library and audio-visual services is given below. A typical program for a secondary teacher with a comprehensive in language arts and a special service area in library science with electives in audio-visual communications on the undergraduate level is given on page 7. Other subject areas may be substituted for language arts and result in equally effective combinations.

TYPICAL PROGRAM FOR AN ELEMENTARY TEACHER WITH AN AUXILIARY AREA IN SCHOOL LIBRARY AND AUDIO-VISUAL SERVICES

Freshman and Sophomore

	Hours
Biol B100	5
Bot B214	2
Ed F100	2
Ed M323	2
Ed M333	2
Ed P100	3
Eng L101-2	6
Eng W101-2	4
FA H100	2
FA S255	2
HPER R170	2
Hist H101-4	6
H Ec H206	2
Ling L103	2
Math M104	3
Music E241	2
Music M174	2
Soc S161	3
Soc S163	3
Speech S160	3
Military (men)	4
Phys Ed	2
	64

Junior and Senior

	Hours
Ed E325	4
Ed E335	4
Ed E343	3
Ed E495	4
Ed M324	2
Ed M425	12
Ed P200	3
Ed R523	3
Ed R543	2
Eng L390	3
Geog G105	3
Geog G210	3
Gov G103	3
Lib Sc L220	2
Lib Sc L423	3
Lib Sc L483	3
Physics P100	5
	62

Graduate Level (Summer Session)

	Hours
Ed R533	2.5
Lib Sc L456	3
Lib Sc L494	2
	7.5

**TYPICAL PROGRAM FOR A COMPREHENSIVE AREA IN LANGUAGE ARTS AND A SPECIAL
SERVICE AREA IN LIBRARY SCIENCE (WITH ELECTIVES IN AUDIO-VISUAL
COMMUNICATIONS) WITH A B.S. IN EDUCATION AT END OF FOURTH
YEAR AND A SUPERVISOR'S CERTIFICATE FOR SCHOOL
LIBRARIES AND AUDIO-VISUAL COMMUNICATIONS
WITH A M.S. IN EDUCATION AT END OF
FIFTH YEAR**

Freshman and Sophomore

	Hours
Ed F100 Introduction to Teaching	2
Eng G203 English Grammar for Teachers	3
Eng L101-2 Freshman Literature I-II	6
Eng L203 Introduction to Drama	3
Eng L220 Introduction to Shakespeare	3
Eng W101-2-3 Elementary Composition I-II-III	6
FA H100 Art Appreciation	2
Geog G105 Introduction to Physical Geography	3
Geog G210 Introduction to Cultural Geography	3
Hist H103-4 History of Western European Civilization I-II	6
Lib Sc L220 Introduction to Reference Materials	2
Music M174 Appreciation of Music I	2
Prac Arts Elective	2
Psych P101 Introductory Psychology I	3
Science Elective	5
Speech S121 Public Speaking I	2
Speech S123 Discussion and Debate	3
Military (men)	4
Phys Ed	2
Elective	2
	64

Junior and Senior

	Hours
Ed M447 Methods of Teaching High School English	5
Ed M480 Student Teaching in the High School	8
Ed P240 Educational Psychology for Secondary Teachers	3
Ed R523 Utilization of Audio-Visual Materials	3
Ed R533 Organization and Curricular Integration of Audio-Visual Media	3
Ed R543 Preparation of Inexpensive Instructional Materials	2
Ed R485 Secondary Education and Guidance	3
Eng L354-5 American Literature II-III	6
Eng L358 Twentieth-Century American Fiction	3
Eng L363 American Drama	2
Eng L390 Children's Literature	3
Journ J325 Supervision of School Publications	3
Lib Sc L423 Selection and Use of Library Materials	3
Lib Sc L456 Library Organization and Administration	3
Lib Sc L483 Library Cataloging and Classification	3
Lib Sc L494 Library Practice Work	2
Soc S336 Sociological Aspects of Mass Communication	3
Speech S343 Oral Study of Literature	3
Elective	3
	64

Graduate Level (One Year and Two Summer Sessions)

	Hours
Ed D513 The Adult Education Program	3
Ed E535 Elementary School Curriculum	2.5
Ed H530 Introductory Philosophy of Education	2.5
Ed P510 Psychology in Teaching	3
Ed R544 Production Techniques	2.5
Ed R546 Survey of Audio-Visual Communications	3
Ed R555 Radio and Television in Education	3
Ed R566 Audio-Visual Communications in Formal Education	3
Ed R665 Administration of Audio-Visual Communications Programs	2.5
Ed S503 High School Curriculum	3
Ed S525 Supervision of High School Instruction	3
Ed T500 Introduction to Research	2
Lib Sc L503-4 Seminar in Library Science I-II	2
Lib Sc L533 Library Materials for Children and Adolescents	3
Lib Sc L534 Curriculum Materials	3
Lib Sc L553 The Library in the Modern School	2
Radio-TV R309 Television Production-Direction	3
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Professional Positions in the Broad Field of Education

Students who are interested in the production and use of communications media in the broad field of education but who do not plan to qualify for certification to teach in the public schools may substitute for the required 24 hours in professional education other courses in education which will promote the development of understandings, skills, and competencies that can be employed and adapted to their future work in some program of general education. Courses which may be substituted include audio-visual communications and library science and other areas, such as adult education, educational psychology, elementary education, history and theory of education, and secondary education.

A typical program for a comprehensive area in social studies and a restricted area in journalism for students interested in communications media is given below and a typical program for a comprehensive area in English with a restricted area in radio and television for students interested in communications media is given on page 9. Comparable programs may be developed using other subject areas as comprehensive areas and as restricted areas.

TYPICAL PROGRAM FOR A COMPREHENSIVE AREA IN SOCIAL STUDIES WITH A RESTRICTED AREA IN JOURNALISM FOR STUDENTS INTERESTED IN COMMUNICATIONS MEDIA

Freshman and Sophomore

	Hours
Eng W101-2-3	6
FA H100	2
Geog G105	3
Geog G210	3
Gov G103-4	6
Hist H103-4	6
Hist H105-6	6
Journ J200	3
Journ J204	3
Music M174	2
Prac Arts Elective	2
Psych P102	3
Science Elective	5
Soc S161	3
Soc S163	3
Speech S121	2
Military (men)	4
Phys Ed	2
	64

Junior and Senior

	Hours
Anth A303	3
Econ E201-2	6
Ed R453	3
Ed R473	3
Ed R523	3
Ed R533	3
Ed R543	2
Ed R544	3
Ed R546	3
Ed R572	5
Hist Elective	9
Journ J301	2
Journ J304	2
Journ J305	3
Journ Elective*	12
Lit Elective	3
	65

* To be approved by journalism adviser.

TYPICAL PROGRAM FOR A COMPREHENSIVE AREA IN LANGUAGE ARTS (ENGLISH) AND
A RESTRICTED AREA IN RADIO AND TELEVISION FOR STUDENTS
INTERESTED IN COMMUNICATIONS MEDIA

Freshman and Sophomore

		Hours
Eng L101-2	Freshman Literature I-II	6
Eng L220	Introduction to Shakespeare	3
Eng W101-2-3	Elementary Composition I-II-III	6
FA H100	Art Appreciation	2
Geog G105	Introduction to Physical Geography	3
Geog G210	Introduction to Cultural Geography	3
Hist H105-6	American History: General Course I-II	6
Music M174	Appreciation of Music I	2
Prac Arts Elective		2
Psych P101	Introductory Psychology I	3
Radio-TV R203-4	Introduction to Radio and Television I-II	4
Radio-TV R205	Elementary Announcing	2
Science Elective		5
Soc S161	Principles of Sociology	3
Soc S162	Society and the Individual	3
Speech S121	Public Speaking I	2
Speech S123	Discussion and Debate	3
Military (men)		4
Phys Ed		2
		64

Junior and Senior

		Hours
Ed R453	Radio and Television in Education	3
Ed R473	Practice in Audio-Visual Communications	3
Ed R523	Utilization of Audio-Visual Materials	3
Ed R533	Organization and Curricular Integration of Audio-Visual Media	3
Ed R543	Preparation of Inexpensive Instructional Materials	2
Ed R544	Production Techniques	3
Ed R546	Survey of Audio-Visual Communications	3
Ed R572	Production II	5
Eng 354-5	American Literature II-III	6
Eng L358	Twentieth-Century American Fiction	3
Eng Elective		2
Journ J371	Reporting and Newswriting for Radio and Television I	2
Lit Elective		3
Radio-TV R308	Audio Production-Direction	3
Radio-TV R309	Television Production-Direction	3
Radio-TV R311	Radio Writing	2
Radio-TV R312	Television Writing	2
Soc Sc Elective		6
Speech S343	Oral Study of Literature	3
Speech S447	Playwriting I	2
Elective		2
		64

Students interested in obtaining degrees in other schools and colleges, such as Arts and Sciences, Business, Music, and Health, Physical Education, and Recreation may use permitted electives to plan a program or courses in audio-visual communications or elect audio-visual communications as a minor. More specific information concerning graduation requirements may be obtained from the bulletin of the school or college of interest.

Graduate Program

Admission

Students holding a Baccalaureate degree from Indiana University or the same degree, or its equivalent, from an accredited institution are eligible to apply for admission. Completion of not less than ten semester hours in education, or the equivalent, is required for admission to graduate study in education for students who plan to work in the public schools. This requirement is waived for students who are not interested in obtaining teaching or supervisory certificates. Consequently, admission to graduate study in the field of audio-visual communications is open to any otherwise qualified applicant irrespective of undergraduate specialization. Students interested in graduate study at Indiana University should obtain an *Application for Admission* form from either the Office of the Graduate Division of the School of Education or the Office of the Graduate School. This form should be presented to the office of the appropriate school at least one month before matriculation. Students coming from institutions other than Indiana University should also present a certificate of graduation and a transcript of their college record.

Requirements for Advanced Degrees

Master's degree

1. The degree Master of Science in Education is offered by the School of Education. It may be obtained either with or without a thesis. When no thesis is presented, completion of thirty-five semester hours of graduate work is required. The thirty-five semester hours must include at least fifteen hours in education and at least ten hours outside the field of education; the remaining ten hours may be elected from the courses either inside or outside education. When a thesis is presented, completion of thirty semester hours of graduate work is required.
2. The degree Master of Arts with a major in education is offered by the Graduate School. Requirements for this degree are comparable to those for the Master of Science in Education.

Students may be interested in the planning of a five-year program leading to a teaching area and a special service area in library science with electives in audio-visual communications with a B.S. in Education at the end of the fourth year and supervisor's certificate for school library and audio-visual services with a Master's degree at the end of the fifth year as indicated on page 7. Other subject areas may be substituted for language arts, such as arts and crafts, biological science, business education, physical science, mathematics, and social studies. Another possibility is a five-year program with certification as an elementary teacher at the end of the fourth year and certification as a Supervisor of Instructional Materials Program at the end of the fifth year of study.

Students may be interested in taking a major emphasis in audio-visual communications on the graduate level. Courses recommended for the audio-visual supervisor's certificate are indicated on page 16 and the "Suggested Course Sequences in Audio-Visual Communications" are on page 12. Work required outside the School of Education may be taken in a number of related areas indicated on pages 13 to 15.

Specialist's degree

The Specialist in Education degree in audio-visual communications is offered by the School of Education. Completion of sixty-five semester hours of graduate study, at least thirty of which must be taken in residence at Indiana University, is required. The sixty-five hours must include basic courses in at least four of these six areas—research, educational philosophy, educational psychology, curriculum, educational measurements, and statistics—a minimum of twenty-four semester hours in an area of specialization, a minimum of ten semester hours in cognate fields, and a minimum of ten semester hours from fields other than education. Completion of a minimum of two years of successful experience in work directly related to the candidate's area of specialization is also required. *

A major emphasis may be taken in the Specialist's degree in either production or utilization and administration as indicated in the "Suggested Course Sequences in Audio-Visual Communications" on page 12.

A cognate field and electives may be used to develop a core of courses in a subject area, in a behavioral science area, or in a communications media area, such as journalism, radio and television, and library science.

One type of joint program for the Specialist's degree is a dual major in audio-visual communications and in library science.

Typical Program for a Specialist's Degree with a Joint Major in Audio-Visual Communications and in Library Science

The person who completes the prescribed program leading to the Specialist's degree in audio-visual communications with a joint major in library science may also earn either the Master of Arts in Library Science or the Master of Arts in Teaching in Library Science. (See the *Announcement of the Division of Library Science* for admission requirements.)

<i>Audio-Visual Communications</i>		Hours
R523	Utilization of Audio-Visual Materials	3
R533	Organization and Curricular Integration of Audio-Visual Media	3
R543	Preparation of Inexpensive Instructional Materials	2
R544	Production Techniques	3
R546	Survey of Audio-Visual Communications	3
R555	Radio and Television in Education	3
R566	Audio-Visual Communications in Formal Education	3
R636	Communications Media in Programs of Informal Education	3
R665	Administration of Audio-Visual Communications Programs	3
Total in Audio-Visual Communications		29
<i>Library Science*</i>		Hours
L456	Library Organization and Administration	3
L500	Introduction to Research in Library Science	2
L503	Seminar in Library Science I	1
L506	Foundations of Library Service	3
L523	Literature of the Humanities	4
L525	Literature of the Social Sciences and the Sciences	4
Library Science Electives		3
Total in Library Science		20
<i>Electives</i>		16
Total graduate		65

* Students who have not had these prerequisite courses at the undergraduate level should plan to take them during the summer session:

L220	Introduction to Reference Materials	2
L423	Selection and Use of Library Materials	3
L483	Library Cataloging and Classification	3

Comparable joint programs are possible with a second major emphasis and a Master's degree in the Graduate School in any one of the subject areas, behavioral science areas, or communications media areas.

Doctor's degree

1. The Doctor of Education degree is offered by the School of Education. In general, completion of at least ninety semester hours of graduate work, including a thesis, is required. Six basic courses in education are prescribed. Students must select a major field of concentration within education and two minor fields of study, at least one of which must be taken outside education. Normally, study in the major field must total forty-five semester hours, including the thesis which carries fifteen semester hours of credit. From fifteen to twenty hours of course work is required in each minor field.
2. The Doctor of Philosophy degree with a major in education, with specialization in audio-visual communications, is offered by the Graduate School. Requirements for this degree are comparable to those for the degree Doctor of Education except that candidates for the Ph.D. degree must demonstrate reading knowledge of two approved foreign languages, one of which must be French or German. A knowledge of foreign languages is becoming increasingly important to those who seek career opportunities abroad and to those who wish to maintain effective contact with the world-wide audio-visual movement.

Ordinarily, students planning to take a major in audio-visual communications theory and research for the Doctor's degree first complete the requirements for a major emphasis toward the Specialist's degree in either production or utilization and administration. The suggested minimum course requirements for a major toward the Doctor's degree are given on page 12.

Courses completed for a minor on either the Master's or Specialist's degree may also be counted as courses required for a minor on the Doctor's degree. Minors may be taken in any one of a number of areas in the professional schools, and in subject areas, behavioral science areas, and communication and media areas.

Suggested Course Sequences in Audio-Visual Communications

Course Number	Title	Cr.	CURRICULA			
			Bldg. Coordinator	A-V Supervisor	Specialist's Degree	
					Prod.	Utiliz. & Admn.
						Doctor's Degree* Communi- cations Theory & Research
Courses for Juniors and Seniors						
R453	Radio and Television in Education	3	x	-	-	-
R472	Practice in Audio-Visual Communications	3	x	-	-	-
Courses for Juniors, Seniors and Graduates						
R523	Utilization of Audio-Visual Materials	3	x	x	x	x
R533	Organization and Curricular Integration of Audio-Visual Media	3	x	x	x	x
R543	Preparation of Inexpensive Instructional Materials	2	x	x	x	x
R544	Production Techniques	3	-	x	x	x
R546	Survey of Audio-Visual Communications	3	-	x	x	x
Graduate Courses						
R566	Audio-Visual Communications in Formal Education	3	-	x ¹	x	x
R572**	Production II	5	-	x ²	x	x
R636	Communications Media in Programs of Informal Education	3	-	-	x	x
R646	Research and Theory in Audio-Visual Communications	3	-	-	-	x
R655	Educational Writing for Radio and Television	3	-	x ²	x	-
R665	Administration of Audio-Visual Communications Programs	3	-	x ²	-	x
R671	Advanced Production I	5	-	-	x	-
R672	Advanced Production II	5	-	-	x	-
R674	Research Methods in Audio-Visual Education	3	-	-	-	x
R774	Seminar in Audio-Visual Communications I	2	-	-	-	x
R775	Seminar in Audio-Visual Communications II	2	-	-	-	x
R799	Doctor's Thesis in Audio-Visual Communications, Radio, or Television Education	15	-	-	-	x

* These courses plus basic courses required in education for the Doctor's degree may constitute a major in Audio-Visual Communications.

** R543 and R544 combined comprise R571, Production I.

x¹⁻³ Advanced level substitutes for courses taken on undergraduate level.

Related Areas of Concentration

On the basis of the student's interests and objectives, one or two related areas of concentration should be selected and combined with study in audio-visual communications. Selections should be made with the advice of a counselor in audio-visual communications and, in some cases, after consultation with instructors of particular courses.

Subject-Matter Areas

A related area of concentration may be selected from such subject-matter areas as:

Anthropology	Folklore	History
Botany	French and Italian	Mathematics
Chemistry	Geography	Physics
Economics	Geology	Psychology
English	German	Sociology
Fine Arts	Government	Spanish and Portuguese
		Zoology

Professional Preparation Areas

A related area of concentration may be selected from such professional areas and fields as:

Business	Health, Physical Education, and Recreation	Music
Education	Home Economics	Nursing Education
Elementary Education	Journalism	Radio and Television
School administration	Library Science	Social Service
Secondary education		Speech and Theatre

General and Applied Courses

Study in communications may include selections from such general and applied courses as:

General Courses

Anthropology

- A303 Survey of Anthropology
- A312 The Varieties of Man
- A440 Language and Culture
- A473 Social Organization of Primitive Peoples
- A475 Personality and Culture
- A573 Methods of Cross-Cultural Analysis

Education

- D513 The Adult Education Program
- D514 Group Processes in Adult Education
- H636 Mind and Method
- H750 Seminar in Educational Theory
- P600 Psychology of Learning in Educational Theory and Practice

Fine Arts

- H350 History of Photography

Government

- G304 Rural Local Government: County and Township
- G417 International Organization: Social and Economic Aspects
- G425 Problems in Democracy
- G440 Modern Political Theory
- G514 Problems in Political Parties and Electoral Process

Journalism

- J423 Public Opinion
- J511-512 History of Communications I-II
- J513 International Communications
- J519 The Press and Society
- J523 Law of Communications

Linguistics

- L306 Descriptive Linguistics I: Phonetics
- L307 Descriptive Linguistics II: Phonemics
- L308 Descriptive Linguistics III: Morphemics
- L556 Behavioral Linguistics

Philosophy

- P354 Symbolic Logic
- P370 Philosophy of Science
- P373 Problems of Scientific Method
- P375 Studies in the Evolution of Scientific Thought

Psychology

- P425 Learning and Motivation (with Laboratory)
- P456 Basic Psychological Processes
- P500 Psychology for Graduate Students
- P525 Learning and Conditioning
- P623 The Psychology of Language
- P627 Perception

Radio and Television

- R303 Radio and Television Regulations

Sociology

- S307 Social Anthropology
- S309 The Community
- S312 Social Control
- S316 The Family
- S333 Social Psychology in its Group Aspects
- S336 Sociological Aspects of Mass Communication
- S337 Propaganda Analysis
- S535 Seminar in Social Psychology

Speech and Theatre

- S247 Introduction to the History of the Theatre
- S343 Oral Study of Literature

Applied Courses

Business-Management

- P500 Graduate Survey of Management
- P407 Fundamentals of Executive Development
- P444 Personnel Techniques and Standards
- P505 Seminar in Business Organization and Operation
- P526 Seminar in Production Management
- P547 Human Relations and Group Dynamics
- P648 Seminar in Personnel Administration

Business-Marketing

- M500 Graduate Survey of Marketing
- M407 Industrial Marketing
- M416 Advertising Copy and Layout
- M417 Advertising Media and Mechanics
- M513 Current Marketing Problems
- M534 Graduate Seminar in Sales Management
- M536 Graduate Seminar in Advertising
- M537 Graduate Seminar in Marketing Research

Education

- M533 Workshop in Arts and Crafts for Teachers

English

- W303-304 Round Table for Student Writing I-II
- W405-406 Writing Prose (Nonfiction) I-II

- Fine Arts
 - S253 Design I
 - S347 Graphic Arts I
 - S383 Layout and Typography
 - S547 Graduate Graphic Arts
 - S553 Graduate Design
 - S593 Graduate Photography
- Geography
 - G235 Use of Maps and Aerial Photography
 - G435 Cartography and Graphics
- Government
 - G305-306 Public Administration I-II
 - G403 Government Personnel Administration
 - G409 Financial Administration
- Journalism
 - J327 Writing for Publication
 - J363 News Photography
 - J427 Publicity and Public Relations
 - J465 Picture Editing
- Radio and Television
 - R308 Audio Production-Direction
 - R309 Television Production-Direction
 - R311 Radio Writing
 - R312 Television Writing
- Speech and Theatre
 - S144 Acting
 - S245 Stagecraft
 - S249 Make-up
 - S346 Stage Lighting
 - S447 Playwriting

Certification Requirements

General Elementary Auxiliary Area Certificate in School Library and Audio-Visual Services

A candidate for an auxiliary area certificate or license in school library and audio-visual services will present credits and qualifications as follows:

Evidence of completion of the Baccalaureate degree from an accredited teacher training college or university;

Evidence of completion of the curriculum for preparation for the general elementary teacher certificate or license;

A valid general elementary teacher certificate or license;

Twenty-four semester hours of college credit as follows:

<i>Audio-Visual Communications</i>		Hours
R523	Utilization of Audio-Visual Materials	3
R533	Organization and Curricular Integration of Audio-Visual Media	3
R543	Preparation of Inexpensive Instructional Materials	2
<i>Library Science</i>		Hours
L220	Introduction to Reference Materials	2
L423	Selection and Use of Library Materials	3
L483	Library Cataloging and Classification	3
L456	Library Organization and Administration	3
L494	Library Practice Work	2
<i>English</i>		Hours
L390	Children's Literature	3

Secondary Special Service Area Certificate in School Library Science (with Electives in Audio-Visual Communications)

A candidate for the special service area certificate or license in library science (with electives in audio-visual communications) will present credits and qualifications as follows:

Evidence of completion of the Baccalaureate degree from an accredited teacher training college or university;

Evidence of completion of the curriculum for preparation for the general secondary teacher certificate or license;

A valid certificate for teaching in a secondary school subject-matter area;

Twenty-four hours of college credit as specified for the General Elementary Auxiliary Area Certificate above.

Certification as Audio-Visual Supervisor

Indiana requirements for certification are comparable to those recommended by the Department of Audio-Visual Instruction of the National Education Association. Students completing Indiana certificate requirements will probably qualify for certification in such other states as may adopt an audio-visual supervisor's certificate.

The Indiana State Board of Education requirements for the certification of audio-visual supervisors (State Board of Education Rule 27A) are given below:

Baccalaureate degree from a standard or approved college or university;

Elementary or secondary teacher's certificate or license;

Three years of successful experience as principal, supervisor, or teacher within the last ten years;

One year of graduate study with a Master's degree from a standard college or university, including:

Basic education courses—at least one of the graduate courses listed in five of the following six areas:*

1. School Administration
 - A500 School Administration
 - E653 Administration of Elementary Schools
 - S545 High School Administration
2. Supervision of Instruction
 - E536 Supervision of Elementary School Instruction
 - S525 Supervision of High School Instruction
3. Educational Psychology
 - P500 Advanced Educational Psychology
 - P505 Psychology of Individual Differences
 - ✓P510 Psychology in Teaching
4. Elementary Curriculum
 - E535 Elementary School Curriculum
5. Secondary Curriculum
 - S503 High School Curriculum
6. Philosophy of Education
 - H530 Introductory Philosophy of Education
 - H535 Philosophy of Education

Audio-Visual Communications*

1. Selection, circulation, and utilization (both courses)
 - R523 Utilization of Audio-Visual Materials
 - R546 Survey of Audio-Visual Communication
2. Preparation (2 courses)
 - R543 Preparation of Inexpensive Instructional Materials
 - R544 Production Techniques
 - R655 Educational Writing for Radio and Television
3. Administration
 - R533 Organization and Curricular Integration of Audio-Visual Media

* Equivalent courses may be credited.

Dual Certification

Within public school systems, there is need for administrative and supervisory personnel certified to handle positions involving direction of both the audio-visual or instructional materials program and the program for curriculum development and improvement of instruction. Since course requirements for various certificates are somewhat comparable, the audio-visual supervisor's certificate and another administrative or other supervisory certificate generally can be acquired upon the completion of two or three additional courses. As a rule, dual certification leads to highly responsible positions. Requirements for various combinations of certification are outlined below:

1. Certification as audio-visual supervisor and as supervisor of school libraries and teaching materials.

A candidate otherwise qualified for certification as an audio-visual supervisor may qualify, also, for certification as a supervisor of school libraries and teaching materials if, within the last ten years, he has completed *five* years of successful experience as a teacher, librarian, supervisor, or principal; if he holds the provisional certificate in library science, the Option II license in library science, or a higher certificate in this area, and if he has taken a minimum of ten semester hours from the following three areas in library science: two courses from L494, L529, L533, and L534; two courses from L494, L583, L595; and either L553, L590 or L595. Those who are not certified in library science must complete the following additional course work: L320, L423, L483, L456, L494, L506, and L533.

Conversely, a candidate otherwise qualified for certification as a supervisor of school libraries and teaching materials may qualify, also, for the audio-visual supervisor's certificate by completing the following audio-visual courses, or their equivalent: R523, R533, and R546, and two courses selected from R544, R543, and R655. These courses are included, as directed electives, in the certificate requirements for supervisor of school libraries and teaching materials. All other course requirements for the audio-visual supervisor's certificate are met by the prescribed library science program for library supervisors. It is possible to satisfy course requirements for dual certification in one year.

2. Certification as audio-visual supervisor and as secondary school principal, elementary school principal, or general supervisor.

Candidates otherwise qualified for certification as audio-visual supervisor may qualify, also for the secondary school principal's certificate if the secondary school teacher's certificate is held, if courses common to both certification programs are selected, and if two additional courses, G541 and S506, are completed. In the same manner, those seeking a second certificate as either a general supervisor or an elementary principal may meet requirements if the elementary school teacher's certificate is held, if common courses are selected, and if two additional courses, E563 and E564, are completed. It is usually possible to satisfy course requirements for dual certification in one year, i.e., in two regular semesters and one summer session. Residence requirements can be shortened by completing work at University Extension Centers. Audio-visual courses are included in the many courses in education offered by the Centers.

Nature of the Training Program

Work in the field of audio-visual communications requires the mastery of numerous skills and understandings. This is acquired through contact with a wide variety of meaningful training experiences. **Course work** provides academic background and laboratory practice. For example, study of the theory and principles of production is included in Education R543-R544 and R571-R572, while students in Education R671-R672 produce a complete educational motion picture. To date, production of student films has involved working with state agencies and divisions of the University. **On-the-job training** is available for most doctoral candidates. Opportunity is provided for paid work experiences in areas generally related to a student's career objectives. Inasmuch as the Audio-Visual Center performs all the services and engages in all the activities commonly found in the field of audio-visual communications, work experiences are pertinent and practical. **Internships** are available to many who have completed audio-visual course work in the area where experience is desired. As an example, an internship in communications research may follow the successful completion of a sequence of courses in communications theory and research. The purpose of this training is to provide applied experience together with financial assistance.

Resources

In addition to classroom and laboratory facilities and specialized training equipment, the following resources are available to students:

1. A Center staff of more than one hundred academic, professional, technical, and clerical members who are available to discuss with students the performance of such regular duties as selection of materials, accessioning and cataloging, programming, inspection, circulation, production and marketing of filmstrips and motion pictures, and the making of inexpensive instructional materials, recordings, and photographs, as well as the administrative and research aspects of the communications media program.
2. A library of 35,000 reels of educational motion pictures, 30,000 reels of educational television films, 600 sets of slides, 2,000 sound and silent filmstrips, 500 disc and tape recordings, and other types of instructional materials.
3. Daily meetings during the summer session and called meetings throughout the school year for the previewing and evaluation of all types of audio-visual materials that are worthy of critical consideration by students and staff. Students are invited to submit recommendations concerning audio-visual materials that should be included in such film study sessions.
4. An opportunity to observe and participate in the operational program of the Center's departments. The program includes an annual circulation of approximately 150,000 reels of films to 3,500 customers, the evaluation and selection of current motion pictures and the materials for the library, utilization assistance to on- and off-campus groups, the production of graphic and photographic materials, the operation of a recording studio, the production and marketing of 86 motion pictures since 1946, and an organized program of research in audio-visual communications.
5. A specialized audio-visual research library, in addition to the University and School of Education libraries, of more than 2,000 books, bibliofilms of research studies, pamphlets, professional magazines, and reports is available to students working on doctoral studies. At present over 75 students, representing a number of University departments, are taking majors or minors in the field of audio-visual communications toward doctoral degrees.
6. An Indiana University Audio-Visual Workshop during the early summer of each year—generally the second week of the summer session.
7. An opportunity to attend national meetings of audio-visual organizations in the Midwest mostly during the spring and summer months of each year. Organizations that often meet within a short distance of Indiana University include NAVA, EFLA, and DAVI.
8. An opportunity to observe or participate in the planning and production of educational television programs through the department of Radio and Television.

Fees and Expenses

Students in audio-visual communications who are legal residents of the state of Indiana are charged a basic fee of \$7 a credit hour for undergraduate or graduate work, or \$105 for fifteen semester hours; nonresidents are charged a basic fee of \$18 a credit hour for undergraduate work, or \$270 for fifteen semester hours, and a basic fee of \$15.25 a credit hour for graduate work, or \$228.75 for fifteen semester hours. Fees for students carrying fewer than or more than the number of hours indicated will be calculated on an hourly basis. Summer session fees are \$9 a credit hour for both residents and nonresidents. Nonresidents holding appointments as graduate assistants or as associates, on a part- or full-time basis, pay resident fees.

An intensive eleven-month program of approximately forty-five semester hours of study in audio-visual communications is available to employees and sponsored participants from government agencies, religious groups, industries, and other comparable organizations at a basic fee of \$58.75 a credit hour.

Room and board costs in Halls of Residence on the Bloomington campus vary from \$308.50 to \$435 a semester. Rates for housing for married students range from \$45 a month for a standard trailer to \$92.50 a month for a one-bedroom furnished apartment. Co-operative housing is available to men and women at \$72.50 a room a semester. Rooms in private residences may be rented at an average price a semester of approximately \$103.50 double to \$126 single, and meals are available at nearby restaurants or at the university cafeteria in the Union Building. For complete information on housing write to: Director, Halls of Residence, Indiana University, Bloomington, Indiana.

Scholarship and Loan Funds

The University maintains a Scholarships and Financial Aids Office to serve as a central coordinating point for the administration of financial aid to students. Complete information regarding these services is available from the Director of Scholarships and Financial Aids, Indiana University, Bloomington, Indiana.

Placement

Indiana University provides free placement service through three services—(1) the Bureau of Educational Placement in the School of Education, (2) the Institute of Training for Public Services in the Department of Government, and (3) the Bureau of Personnel Relations and Placement in the School of Business.

Opportunities for Financial Assistance

A number of graduate positions as assistants and associates, as well as work on an hourly basis, are available each year in the following areas: general administration of an audio-visual center; selection and utilization of materials; school and community circulation; campus and college circulation; marketing and distribution; all phases of educational production, including the preparation of graphic materials, recordings, still photographs, and motion pictures; and communications research.

Appointments are open to graduate students who plan to take a major concentration in audio-visual communications on the Master's degree, the Specialist in Education degree in audio-visual communications, and either an audio-visual minor or major on the Doctor's degree. Preference is given to applicants who have superior undergraduate academic records and who either have had or plan to take graduate courses in academic or professional areas related to their career objectives in audio-visual communications. Two years of teaching or other work experience is desirable.

Stipends range from \$600 to \$4,700 per year.

Audio-Visual Communications Course Descriptions

Courses for Juniors and Seniors

R453 Radio and Television in Education. (3 cr.)

Emphasizes classroom utilization of radio broadcasts. Includes the psychology of listening; problems of evaluating broadcasts; the writing, producing, and scheduling of school broadcasts; and the sources of broadcasting materials for school use.

R473 Practice in Audio-Visual Communications. (3 cr.)

Prerequisites, basic courses in audio-visual communications and approval of application. Supervised practice activities in audio-visual communications programs of local and state government agencies, public service organizations, industry and business, approved colleges, school systems, or the Indiana University Audio-Visual Center.

Courses for Juniors, Seniors, and Graduates

R523 Utilization of Audio-Visual Materials (3 cr.)

Considers the use of audio-visual materials in improving instruction. Includes the study of general practices in the areas of selection and utilization of major types of audio-visual materials, ways of using projection and audio equipment, and the preparation and use of such materials as bulletin boards and flannel boards.

R533 Organization and Curricular Integration of Audio-Visual Media. (3 cr.)

Prerequisite, R523, or take concurrently. Discusses principles and practices in organizing, facilitating, and integrating the use of audio-visual materials in various types of school curricula and educational programs of youth and adult groups. Treats such factors as defining purposes of instruction, planning instructional units, selecting and evaluating materials in terms of defined teaching objectives, and improving the learning environment.

R543 Preparation of Inexpensive Instructional Materials. (2 cr.)

Develops a basic pattern for the preparation of a wide variety of visual materials. Laboratory practice is provided in applying such techniques as lettering, coloring, and mounting to readily available illustrations and other materials in the preparation of pictures, maps, charts, posters, and graphs for projected and non-projected use.

R544 Production Techniques. (3 cr.) (Formerly R500)

Deals with the communications skills involving the production of basic types of audio-visual materials. Theory and practice are covered relative to planning, scripting, shooting, and editing picture stories and motion picture sequences.

R546 Survey of Audio-Visual Communications. (3 cr.) (Formerly R513)

Prerequisite, a basic course in an area such as psychology or sociology. Reviews motivation, perception, and learning theory in terms of the communication and learning processes and examines the role and contribution of audio-visual communications and materials as they facilitate communication and instruction in teaching situations.

Graduate Courses

R505 Workshop in Audio-Visual Communications. (Credit arranged.)

Deals with the more important aspects of developing and expanding audio-visual programs both in elementary and secondary schools. Demonstrations, lectures, and group discussions will concern utilization, preparation, and administration of audio-visual materials. The resources of the Audio-Visual Center will be supplemented by guest lecturers and consultants. One credit hour is offered for each week of full-time work. (Generally scheduled for second week of summer session.)

R555 Radio and Television in Education. (3 cr.)

Deals with the principles and practices of modern education in relation to production and utilization of radio and television broadcasts; organization of broadcasting in the United States; studio work; radio writing; sound equipment; and sources of radio scripts and educational recordings. Class work is planned to meet needs of individual students.

R566 Audio-Visual Communications in Formal Education (3 cr.)

Prerequisite, R546. Applies the basic concepts and principles of communication to problems in teaching and learning with school and adult audiences. Relates the philosophical and psychological bases of audio-visual communications to problems in teaching. Discusses the role of such communications in the general area of problem solving and attitude formation and treats specific communications problems in given teaching situations.

R571-R572 Production I-II. (5-5 cr.)

The combined courses of R544 and R543 comprise R571. R572 emphasizes theory, principles, and basic techniques in the production of educational motion picture, filmstrip, pictorial, and graphic materials. Students make the more important types of material suitable for projection, telecasting, and display purposes. Enrollment limited.

R590 Research in Audio-Visual Communications, Radio, or Television Education. (Credit arranged.)

Consists of individual research on a problem in the field of audio-visual communications, radio, or television education. (This course is offered, also, to small groups of advanced students who have a common interest in a specialized aspect of audio-visual communications. For example, small classes in photomicrography and sound recording have been organized.)

R599 Master's Thesis in Audio-Visual Communications, Radio, or Television Education. (4 cr.)

Consists of individual study of a specific problem in the field of audio-visual communications, radio, or television education. The thesis may be an organized scientific contribution or a comprehensive analysis of theory and practice in a specific area.

R636 Communications Media in Programs of Informal Education. (3 cr.)

Prerequisite, R566. Relates basic concepts and principles in communication to programs of informal education among defined audiences. Considers the variables affecting the results of information programs as manifest in audience characteristics, types of media and messages, and the organization of campaigns. Treats the question of moral responsibilities connected with communications practices.

R646 Research and Theory in Audio-Visual Communications. (3 cr.)

Prerequisite, R566. Reviews research in applied communications and discusses problems in field research dealing with the determination of educational objectives, identification of audiences and their characteristics, the integrated use of communications media, and the evaluation of results. Examines the applicability of theories and models of communication to problems of education among selected audiences.

R655 Educational Writing for Radio and Television. (3 cr.)

For teachers, school administrators, and nonschool persons interested in public service, non-professional, or educational broadcasting. Presents the theory and practice in planning, writing, and producing various kinds of programs for listeners in and out of schools. Education and/or radio experience is desirable but not required.

R665 Administration of Audio-Visual Communications Programs. (3 cr.)

Prerequisites, basic courses in the field or by permission. Considers the problems in management of an integrated program, including production, selection, utilization, and administration of audio and visual communications media; problems of finance; functions and organization of the different services; relationships among school systems, colleges, and community and adult groups; and evaluation standards for the various services.

R671-R672 Advanced Production I-II. (5-5 cr.)

Prerequisites, R566, and R572. Emphasis on the theory of production, particularly principles of selection, organization, and treatment of content for effective presentation through the different mass media. Students are given an opportunity to produce sound motion pictures and other materials for governmental and nonprofit agencies. Enrollment limited.

R674 Research Methods in Audio-Visual Communications. (3 cr.)

Prerequisites, R636, R646, and T501. Examines research techniques as they apply to investigations in the areas of audio-visual administration, analysis of content and audience characteristics, and effects of educational and commercial communications.

R774-R775 Seminar in Audio-Visual Communications I-II. (2-2 cr.)

Prerequisite, R674. Investigates theory and research related to administrative and financial aspects of local, state, and national audio-visual programs; curricular integration of audio-visual communications media for school and community groups; relationship of production variables to educational outcomes; and the effects of communications on concept formation, attitudes, and social action.

R799 Doctor's Thesis in Audio-Visual Communications, Radio, or Television Education (Credit arranged.)

Fifteen semester hours of credit are required for the doctor's thesis, but it may be taken over a period of several semesters. The thesis, which is an individual study, may be an organized scientific contribution or a comprehensive analysis of theory and practice in a specific area.

Workshop in Audio-Visual Communications

The Workshop includes group discussions, laboratory experiences, demonstrations, and lectures dealing with the use of audio-visual materials, general principles underlying the selection of materials for instructional purposes, and the preparing of inexpensive teaching materials. Some attention will be given to organizing and administering a program of audio-visual education. Opportunity will also be provided for inspection and operation of the various types of projection and recording equipment. Designed for directors and coordinators of audio-visual programs, chairmen of audio-visual committees, principals, and teachers and other leaders who have responsibility in connection with the use of audio-visual materials, the workshop offers one semester hour of credit in R505. The workshop will be open to interested participants who do not wish to earn credit for attendance. The workshop is usually scheduled the second week of the summer session. Carolyn Guss, Associate Professor of Education, and L. C. Larson, Director of the Audio-Visual Center, are co-directors.

Doctoral Dissertations Completed in Audio-Visual Communications

The following doctoral dissertations dealing with aspects of audio-visual communications have been completed at Indiana University. Copies are available through Inter-Library Loan Service, Indiana University. Except for those otherwise noted, abstracts of the dissertations are available in *Thesis Abstract Series, Studies in Education*, published annually by the School of Education, Indiana University. Annual volumes, which contain abstracts of studies completed during the preceding year, can be purchased for \$1 from the Indiana University Book Store. Those theses completed since 1952 are available on a purchase basis from University Microfilms, Ann Arbor, Michigan, in microfilm form.

- Barnard, David Putnam, *A Study of the Audio-Visual Administrative and Supervisory Functions in Selected Schools of Vocational and Adult Education in Wisconsin*, 1955, 456 pp.
- Bern, Henry, *Learning and Psychological Responses to Various Word Pictures*, 1958, 129 pp.
- Blain, Beryl Bruce, *Effects of Film Narration Type and of Listenability Level on Learning of Factual Information*, 1956, 297 pp.
- Brown, Walter L., *An Investigation To Determine the Effectiveness of a Course in the Preparation of Inexpensive Instructional Materials*, 1956, 264 pp.
- Brumbaugh, William Donald, *Developmental Aspects of Film Library Centers in Selected Colleges and Universities from 1942-1951*, 1952, 221 pp.
- Butts, Gordon Keith, *An Experimental Study of the Effectiveness of Declarative, Interrogative, and Imperative Captions on Still Pictures*, 1956, 147 pp.
- Cockrum, James Edwin, *A Comparative Study of Selected Film Evaluations as Prepared by Selected Groups*, 1955, 251 pp.
- Damron, Clarence Frazier, *A Possible Role for Two- and Three-Dimensional Slide Images When Used with Tachistoscopic Training Techniques in Instructing High School Football Players in Recognition of Certain Fundamental Football Defenses*, 1951, 188 pp. (NOTE: No abstract available.)
- del Rosario, Oseas A., *A Proposed Audio-Visual Program for Schools and Colleges in the Philippines*, 1955, 199 pp.
- Elevazo, Aurelio Obedoza, *A Content Analysis of Films Dealing with Educational Guidance in High School*, 1956, 349 pp.
- Fan, Ih-Chi, *A Study of the Program of Audio-Visual Education for Teacher Education in China—1930-1949*, 1952, 465 pp.
- Faris, Kenneth Gene, *An Appraisal by Indiana Educators of the Educational Value of Proposed Audio-Visual Student Assistant Activities*, 1959, 307 pp.
- Flandro, Royce P., *Curriculum Laboratories in Colleges of Teacher Education*, 1957, 230 pp.
- Foster, John Edwin, *The Administrative Means of Extending the Use of Audio-Visual Materials in Saskatchewan*, 1950, 210 pp.
- Fritz, John Otto, *Film Persuasion in Education and Social Controversies*, 1957, 418 pp.
- Gamarra, Teofila Violeta, *Recommendations for the Administration of Audio-Visual Materials and Equipment in Peru*, 1952, 425 pp.
- Goldberg, Albert Leonard, *The Effects of Two Types of Sound Motion Pictures on Attitudes of Adults Towards Minority Groups*, 1956, 142 pp.
- Guss, Carolyn, *A Study of Film Evaluation and Selection Practices in Twelve Universities and Colleges with Recommendations for Improvement*, 1952, 465 pp.
- Harris, Fred E., *A Study of the Materials Characteristic of Excellent Learning Environments in the Intermediate Grades*, 1950, 561 pp.
- Heidkerken, Loretta E., *An Experimental Study To Measure the Contribution of Motion Pictures and Slide Films to Learning Certain Units in the Course, Introduction to Nursing Arts*, 1948, 235 pp. (NOTE: Abstract printed in *Journal of Experimental Education*, December, 1948.)
- Horrell, C. William, *Analysis of the Recommendations for the Education of Newspaper Photojournalism Students as Made by Editors, Chief Photographers, Photojournalists, and Photojournalism Instructors*, 1955, 268 pp.
- Hyer, Anna L., *A Study of Possible Deterrents to the Use of Motion Pictures Within a School System Where Films and Facilities for Use Were Provided*, 1952, 263 pp.
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