

The applicant for the credential must include in his program the following minimum requirements in at least one area of concentration: Automotive Engineering (\* 12 units), Drafting (12 units), Electricity (12 units), General Metal (12 units), Graphic Arts (\* 12 units), Handicrafts (12 units), Machine Shop (12 units), Woodwork (12 units). For further information and additional recommended courses, see the department credential adviser.

#### Professional Requirements

Educ. 109, Audio-Visual Education \_\_\_\_\_  
 Educ. 133, Student Teaching: Junior High or Secondary \_\_\_\_\_  
 Educ. 173, Secondary Education \_\_\_\_\_  
 Educ. 185, Development and Learning \_\_\_\_\_  
 Ind. Arts 123, Methods of Teaching Industrial Arts \_\_\_\_\_  
 Ind. Arts 125, Curriculum Development in Industrial Education \_\_\_\_\_

#### SPECIAL SECONDARY LIMITED CREDENTIAL IN INDUSTRIAL ARTS EDUCATION

Applicants with certain training and experience may be recommended for a limited special secondary credential in industrial arts education after the completion of 60 semester hours of required college work. This credential authorizes the holder to teach his trade subject in an industrial arts program in elementary and secondary schools.

##### Plan I. The Practical Craftsman

- (1) Graduation from a four-year high school or the equivalent.
- (2) Five years of acceptable trade experience in an approved trade or field, and the passing of the approved trade tests.
- (3) Sixty semester hours of teacher education distributed as follows:

##### Subject group

Education \_\_\_\_\_  
 Education (Student Teaching) \_\_\_\_\_  
 English \_\_\_\_\_  
 Health Education \_\_\_\_\_  
 Mathematics \_\_\_\_\_  
 Physical Education \_\_\_\_\_  
 Science \_\_\_\_\_  
 Social Studies \_\_\_\_\_  
 Related technical subjects \_\_\_\_\_

##### Plan II. The Holder of a Vocational Credential

- (1) Graduation from a four-year high school or its equivalent.
- (2) Completion of required trade and industrial teacher training program and the long-term credential.
- (3) Forty-four semester hours of work selected by the evaluating institution from subsection 1, (3) above, after credit has been granted for 16 semester hours of the work completed in vocational teacher training.

#### JUNIOR HIGH SCHOOL CREDENTIAL

The junior high school credential authorizes the holder to serve as a teacher in grades seven, eight, and nine of elementary and secondary schools. For general professional requirements, see page 151.

The junior high school credential major in industrial arts is the same as the special secondary credential major in this field; the minors are the same as the general secondary credential minors.

\* Nine units, plus 3 units or 416 hours practical experience.

#### GENERAL SECONDARY CREDENTIAL

The general secondary credential authorizes the holder to teach in secondary schools and in grades seven and eight of elementary schools. For general and professional requirements see page 152.

##### General Secondary Credential Major in Industrial Arts

Requirements for the general secondary credential major in industrial arts are the same as for the special secondary credential major. For requirements for the A.B. degree major in industrial arts see page 120.

##### General Secondary Credential Minors in Industrial Arts

Various teaching minors are offered in industrial arts for students majoring in other departments and working toward the general secondary credential. In addition to the course options listed below, a credential minor in industrial arts must include I.A. 123 and Educ. 133 (3 units in industrial arts).

Auto Mechanics	Units	Crafts	Units
Ind. Arts 9	3	Ind. Arts 1	3
Ind. Arts 109a-b	6	Ind. Arts 19	3
Ind. Arts 110	3	Ind. Arts 107 or 117b	2
Ind. Arts 116	3	Ind. Arts 108a-b	4
Ind. Arts 270	2	Ind. Arts 117a	2
Ind. Arts electives	3	Ind. Arts 270	2
	20	Ind. Arts electives	4
			20
Drawing		Electricity	
Ind. Arts 19	3	Ind. Arts 11	3
Ind. Arts 21	2	Ind. Arts 19	3
Ind. Arts 22	3	Ind. Arts 40	3
Ind. Arts 121	3	Ind. Arts 111a-b-c	9
Ind. Arts 122	3	Ind. Arts 270	2
Ind. Arts 151	2		
Ind. Arts 270	2		
Ind. Arts electives	2		
	20		20
General Metal		Graphic Arts	
Ind. Arts 6	2	Ind. Arts 26	3
Ind. Arts 10a	3	Ind. Arts 27	3
Ind. Arts 19	3	Ind. Arts 127	3
Ind. Arts 40	3	Ind. Arts 128	2
Ind. Arts 117a	2	Ind. Arts 129	3
Ind. Arts 119	3	Ind. Arts 270	2
Ind. Arts 270	2	Ind. Arts electives	4
Ind. Arts electives	2		
	20		20
Machine Shop		Woodwork	
Ind. Arts 6	2	Ind. Arts 1	3
Ind. Arts 10a-b	6	Ind. Arts 2	3
Ind. Arts 19	3	Ind. Arts 19	3
Ind. Arts 112	3	Ind. Arts 103	3
Ind. Arts 115	3	Ind. Arts 104	3
Ind. Arts 270	2	Ind. Arts 270	2
Ind. Arts electives	1	Ind. Arts electives	3
	20		20