

The applicant for the credential must include in his program the following minimum requirements in at least one area of concentration: Automotive Electricity (\* 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 for 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).

	<i>Units</i>		<i>Units</i>		<i>Units</i>
<b>Auto Mechanics</b>		<b>Crafts</b>		<b>Units</b>	
Ind. Arts 9	3	Ind. Arts 1	_____		3
Ind. Arts 10a-b	6	Ind. Arts 19	_____		3
Ind. Arts 110	3	Ind. Arts 21	_____		3
Ind. Arts 116	3	Ind. Arts 22	_____		2
Ind. Arts 270	2	Ind. Arts 121	_____		4
Ind. Arts electives	3	Ind. Arts 122	_____		2
	20	Ind. Arts 151	_____		2
	20	Ind. Arts 270	_____		2
	20	Ind. Arts electives	_____		4
	20				
<b>Drawing</b>		<b>Electricity</b>		<b>Units</b>	
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 11a-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				
<b>General Metal</b>		<b>Graphic Arts</b>		<b>Units</b>	
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				
	20				
<b>Machine Shop</b>		<b>Woodwork</b>		<b>Units</b>	
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				