

CURRICULUM STANDARD

Effective Term
Fall 1997
*[1997*03]*

Curriculum Program Title	Packaging Machinery Servicing (Diploma)	Code	D50360
Concentration	(not applicable)		

Curriculum Description

The Packaging Machinery Servicing curriculum is designed to give students the basic skills and related technical training necessary to gain employment or advancement in industries using packaging machinery.

Course work includes machine maintenance, monitoring of operations, troubleshooting, adjustment, and repair by the study of mechanical, electrical, fluid power, electronic, and material components and systems.

Graduates may qualify for one of the many excellent job openings that exist in this field, and graduates already employed within the industry should accomplish career advancement.

*Curriculum Requirements**

- I. General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.

- II. Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work experience, including cooperative education, practicums, and internships, may be included in a degree or diploma program up to a maximum of 8 semester hours and in a certificate program up to a maximum of 2 semester hours. *(see back of page for Major Hours requirements)*

- III. Other Required Hours.** A college may require other subjects or courses to complete graduation requirements. These requirements may include electives, orientation, study skills courses, or other graduation requirements.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

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**Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic use of computers.*

Major Hours

<p>A. Core. The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.</p> <p>B. Concentration (if applicable). A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.</p> <p>C. Other Major Hours. Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work experience, including cooperative education, practicums, and internships, may be included in associate in applied science degree and diploma curriculum programs up to a maximum of 8 semester hours credit and in certificate programs up to a maximum of 2 semester hours credit.</p>																														
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	AAS	Diploma	Certificate																											
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC																											
<p>A. CORE</p> <p>Required Courses:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%;">ELC 117</td><td style="width: 65%;">Motors and Controls</td><td style="width: 20%; text-align: right;">4 SHC</td></tr> <tr><td>HYD 110</td><td>Hydraulics and Pneumatics</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>PKG 110</td><td>Packaging Machinery I</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>PKG 120</td><td>Packaging Machinery II</td><td style="text-align: right;">4 SHC</td></tr> <tr><td>PKG 130</td><td>Basic Electronics for Packaging</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>PKG 140</td><td>Packaging Materials</td><td style="text-align: right;">3 SHC</td></tr> <tr><td>PKG 150</td><td>Machinery Troubleshooting</td><td style="text-align: right;">2 SHC</td></tr> </table> <p>Required Subject Areas: Electricity. Select one:</p> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 15%;">ELC 112</td><td style="width: 65%;">DC/AC Electricity</td><td style="width: 20%; text-align: right;">5 SHC</td></tr> <tr><td>ELC 131</td><td>DC/AC Circuit Analysis</td><td style="text-align: right;">5 SHC</td></tr> </table>	ELC 117	Motors and Controls	4 SHC	HYD 110	Hydraulics and Pneumatics	3 SHC	PKG 110	Packaging Machinery I	3 SHC	PKG 120	Packaging Machinery II	4 SHC	PKG 130	Basic Electronics for Packaging	3 SHC	PKG 140	Packaging Materials	3 SHC	PKG 150	Machinery Troubleshooting	2 SHC	ELC 112	DC/AC Electricity	5 SHC	ELC 131	DC/AC Circuit Analysis	5 SHC	<p>Not Recommended</p>	<p>27 SHC</p>	<p>Not Recommended</p>
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<p>B. CONCENTRATION (not applicable)</p>																														
<p>C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i></p> <p>BPR, CIS, COE, CSC, ELC, ELN, HYD, ISC, MEC, MNT, OMT, PKG, **SPA and WLD</p> <p><i>** This prefix is limited to a maximum of 3 SHC</i></p>																														