

Medical Assistants (AAMA), to become a Certified Medical Assistant.® For detailed information, contact the AAMA.

**Prerequisites** A successful applicant must be a high school graduate or have a GED and possess a minimum 2.5 GPA.

**Admission Deadline** Applications are accepted on a first qualified, first admitted basis until mid-August.

**Number of New Students Admitted Annually** Enrollment in this program is limited to 45.

**Criteria Used for Admission** The admission process includes screening examinations for reading comprehension, mathematics competency, and keyboard proficiency. The student must submit evidence of a physical examination (within the previous nine months) and receive several vaccinations before classes begin in September. Students are required to hold a Health Care Provider CPR card and have First Aid training (both must remain current through July of the year of graduation from the program).

**Admission Information** Special application packets with information pertaining to the admission process are available from the Students First! Center, (541) 463-3100, beginning the first week in December.

**Cooperative Education (Co-op)** During the required unpaid Co-op in spring term, Co-op students rotate through local medical offices and clinics in both clinical and administrative settings to earn college credit and gain actual work experience. Students also receive instruction in the identification and proper use of other medical equipment and valuable on-the-job training. A required weekly seminar during spring term includes resume writing instruction, interviewing techniques, and other job-search skills. Contact Marty Pittman, Medical Office Assistant Cooperative Education Coordinator, Bldg. 4, Rm. 259, (541) 463-3177.

**Program Advisor** Rosa Lopez, Bldg. 1, Rm. 207, (541) 463-5660

**Program Counselor** Jessica Alvarado, Bldg. 4, Rm. 262A, (541) 463-5802

**Courses Required Prior to Beginning of Program:**

CG 203 Human Relations at Work <sup>H</sup> .....	3
HO 100 Medical Terminology 1 <sup>D,G</sup> .....	3
MTH 022 Number Reasoning <sup>B,M</sup> .....	1
WR 115W Intro to College Writing: Workplace Emphasis <sup>D</sup> or higher-level writing .....	3
<b>Fall</b>	
BT 120 MS Word For Business * .....	4
HO 110 Medical Filing and Records Management <sup>D,G</sup> .....	3
HO 150 Human Body Systems 1 <sup>*,D,G,S</sup> .....	3
HO 190 Medical Formatting <sup>D,G</sup> .....	3
MA 110 Clinical Assistant 1 <sup>*,1,D,G</sup> .....	3
MTH 026 Dosage Math for MOAs <sup>1,B,G,M</sup> .....	2
Total Credits	18

		<b>Winter</b>
BT 165 Introduction to the Accounting Cycle <sup>D,G</sup> .....	3	
HO 112 Medical Insurance Procedures <sup>*,D,G</sup> .....	3	
HO 152 Human Body Systems 2 <sup>*,1,D,G</sup> .....	3	
HO 220 Legal and Ethical Aspects of Healthcare <sup>*,D,G</sup> .....	3	
MA 120 Clinical Assistant 2 <sup>*,1,D,G</sup> .....	3	
MA 150 Laboratory Orientation <sup>*,1,D,G</sup> .....	3	
Total Credits	18	
		<b>Spring</b>
HIT160 Medical Manager <sup>*,1,D,G</sup> .....	3	
HO 114 Medical Coding Procedures <sup>*,D,G</sup> .....	3	
MA 130 Clinical Assistant 3 <sup>*,1,D,G</sup> .....	3	
MA 280 Co-op Ed:		
Medical Office Assistant <sup>1,D,G</sup> .....	6	
PSY 110 Exploring Psychology <sup>D,G,H</sup> .....	3	
Total Credits	18	

1 Must be accepted into the program to register for these classes.

## Multimedia Design

**Offered by the Arts Division**

**Two-Year Associate of Applied Science Degree**

**One-Year Certificate of Completion**

**Purpose** To prepare students for entry-level positions in the media industry and careers in multimedia design and production. Typical positions include work with computer software, video and graphic images, audio, animation, text and data, creating web sites, computer-based training, interactive multimedia, and games.

**Learning Outcomes** The graduate will:

- design computer applications incorporating multiple forms of media such as text, graphics, audio, video, and animation.
- understand the concept, potential and implications of communicating ideas using computer-based interactive media technology.
- become proficient in developing and applying effective visual design strategies for creating interactive multimedia, animation, games, web sites, and computer-based training for delivery over the Internet, DVD's and CD-ROM.
- have additional skills in one or more elective area: software, design, or media.
- use appropriate library and information resources to research media issues, concepts and tools, and support lifelong technical learning.
- manipulate variables using computer software applications.

**Employment Trends** The 2004-2014 growth rate projected for this occupation is much faster than the statewide average. Total job openings are projected to be at about the state average. Most job openings projected for this occupation will be due to the need to replace workers who leave the labor force. Statewide, 18 job openings are projected annually with 2 of those in Lane County.

**Wages** Average wages for multimedia artists, animators, and related workers:

Statewide Average Hourly .....	\$25.04
Statewide Average Annual .....	\$52,077

Standard footnotes:

\* Prerequisite required

A Meets Arts/Letters requirement

B Must be passed with grade of "B" or better to use as a prerequisite

D Degree or certificate requirement; must be passed with grade of "C-" or better

G Must be taken for a grade, not P/NP; major requirement

H Meets Human Relations/Social Science requirement

M Meets Mathematics requirement

P Meets PE/Health requirement

R Required for AAS degree—see page 48

S Meets Science/Math/Computer Science requirement

W Meets Written Communications or English Composition requirement

**Costs in Addition to Tuition (estimate)\***

Additional costs for two-year degree program ..... \$1,700  
 \* Subject to change without notice.

**Cooperative Education (Co-op)** Opportunities to work directly in the media industry as interns are provided by the Co-op program. Through Co-op, students connect classroom learning with field experience, gain skills, and make contacts for the future. Second-year students will work with professional production teams to gain experience with producing a variety of interactive multimedia products. Contact Teresa Hughes, Multimedia Design Co-op Coordinator, Bldg. 17, Rm. 106, (541) 463-3179.

Note: Students must earn a grade of "B-" or better in all prerequisite (s) and "C-" or better in major requirements.

**Program Advisors** Rick Simms, Bldg. 17, Rm. 107;  
 Teresa Hughes, Bldg. 17, Rm. 106

**Program Counselor** Timothy Blood, Bldg. 1, Rm. 110

**Program Coordinator** Rick Simms, Bldg. 17, Rm. 107

**Two-Year Associate of Applied Science Degree**

<b>First Year</b>	<b>Fall</b>	
ART 131 Introduction to Drawing <sup>A,B,G</sup> .....	3	
ART 261 Photography 1 <sup>A,B,G</sup> .....	3	
CIS 140B Operating Environments: Macintosh .....	1	
FA 250 Concepts of Visual Literacy <sup>B,G</sup> .....	3	
PE/Health requirement <sup>R</sup> .....	1	
WR 121 English Composition: Exposition and Introduction to Argument <sup>*,B,G,W</sup> .....	4	
<b>Total Credits</b>	<b>15</b>	

	<b>Winter</b>	
MUL 210 Multimedia Design <sup>*,B,G</sup> .....	3	
AUD 120 Audio Production <sup>*,B,G</sup> .....	4	
FA 261 Writing and Interactive Design <sup>*,B,G</sup> .....	3	
MUL 212 Digital Imaging <sup>*,B,G</sup> .....	3	
MTH 060 Beginning Algebra or higher mathematics <sup>*,B,G,M,R</sup> .....	4	
<b>Total Credits</b>	<b>17</b>	

	<b>Spring</b>	
CS 160 Orientation to Computer Science <sup>*,B,G,S</sup> .....	4	
FA 231 Multimedia Authoring <sup>*,B,G</sup> .....	3	
VP 151 Video Production 1 / Camera <sup>*,B,G</sup> .....	4	
ART 151A Media Graphics <sup>*,B,G</sup> .....	3	
Directed Elective <sup>B,G</sup> .....	3-4	
<b>Total Credits</b>	<b>17-18</b>	

	<b>Fall</b>	
ART 115 Basic Design: Fundamentals <sup>B,G</sup> .....	3	
Art 245 Drawing for Media.....	3	
MUS 118 Music Technology MIDI/Audio 1.....	4	
VP 152 Video Production 2: Editing <sup>*,B,G</sup> .....	3	
Directed Elective <sup>B,G</sup> .....	3-4	
<b>Total Credits</b>	<b>16-17</b>	

	<b>Winter</b>	
ART 288 Introduction to Web Design <sup>*,D,G</sup> .....	2	
CG 203 Human Relations at Work <sup>B,G,H</sup> .....	3	
CIS 125H Software Applications: HTML <sup>*,D,G</sup> .....	2	
MDP 246 Multimedia Production 1 <sup>*,B,D,G</sup> .....	4	
MDP 280 Co-op Ed: Multimedia <sup>*,D,G</sup> .....	3	
PE/Health requirement <sup>R</sup> .....	1	
<b>Total Credits</b>	<b>15</b>	

	<b>Spring</b>	
MDP 280 Co-op Ed: Multimedia <sup>*,D,G</sup> .....	3	
MDP 247 Multimedia Production 2 <sup>*,B,D,G</sup> .....	4	
PE/Health requirement <sup>R</sup> .....	1	
Directed elective <sup>*,B,G</sup> .....	6-8	
<b>Total Credits</b>	<b>14-16</b>	

**Directed Electives**

Contact the Art and Applied Design Department for additional choices.

**Software**

CS 161 Computer Science 1 .....	4
CS 162 Computer Science 2 .....	4
CS 233 Advanced Programming .....	4
CS 260 Data Structures 1 .....	4

**Design**

ART 116 Basic Design: Color.....	3
ART 225 Graphic Design: Computer Illustration.....	3
ART 231 Intermediate Drawing .....	3
ART 234 Figure Drawing .....	3
ART 289 Web Production .....	3
ART 290 Design Concepts for the Web.....	3

**Media**

ART 119 Typography .....	3
ART 210 The Photographic Vision.....	3
ART 216 Digital Design Tools .....	2
ART 262 Photography 2 .....	3
FA 221 Computer Animation .....	3
FA 222 Computer Animation 2 .....	3
FA 254 Fundamentals of Lighting .....	3
FA 255 Understanding Movies: American Cinema.....	3
MDP 248 Multimedia Production 3 .....	4
MUS 119 Music Technology MIDI/Audio 2.....	4
MUS 298 IS: Music Technology .....	1-6

**One-Year Certificate of Completion**

	<b>Fall</b>
ART 115 Basic Design: Fundamentals.....	3
ART 131 Introduction to Drawing <sup>B,G</sup> .....	3
ART 261 Photography 1 <sup>B,G</sup> .....	3
CIS 140B Operating Environments: Macintosh <sup>B,D</sup> .....	1
FA 250 Concepts of Visual Literacy <sup>B,G</sup> .....	3
WR 121 English Composition: Exposition and Introduction to Argument <sup>*,B,G,W</sup> .....	4
<b>Total Credits</b>	<b>17</b>

	<b>Winter</b>
AUD 120 Audio Production <sup>*,B,G</sup> .....	4
FA 261 Writing and Interactive Design <sup>*,B,G</sup> .....	3
MTH 060 Beginning Algebra or higher mathematics <sup>*,B,G,M</sup> .....	4
MUL 210 Multimedia Design <sup>*,B,G</sup> .....	3
MUL 212 Digital Imaging <sup>*,B,G</sup> .....	3
<b>Total Credits</b>	<b>17</b>

	<b>Spring</b>
ART 151A Media Graphics <sup>*,B,G</sup> .....	3
CG 203 Human Relations at Work <sup>B,G,H</sup> .....	3
CS 160 Orientation to Computer Science <sup>*,B,G,S</sup> .....	4
FA 231 Multimedia Authoring <sup>*,B,G</sup> .....	3
VP 151 Video Production 1 / Camera <sup>*,B,G</sup> .....	4
<b>Total Credits</b>	<b>17</b>

**Nursing**

**Offered by the Family and Health Careers Division**

**Two-Year Associate of Applied Science Degree Associate Degree Nursing**

**Purpose** To prepare the graduate to be qualified to practice as an associate degree registered nurse, and to be eligible to take the National Council Licensure Examination (NCLEX)-RN.

**Learning Outcomes** The competencies defined by the OCNE curriculum committee are based on a view of nursing as a theory-guided, evidenced-based discipline. The competencies also recognize that effective nursing requires a special kind of person with particular values, attitudes, habits and skills. Accordingly there are two categories of competencies, professional competencies, and nursing care competencies. Professional competencies: