REGENTS BACHELOR OF ARTS DEGREE REQUIREMENTS

Total Credit: 120
Upper Division Hours: 39
General Education: 36

(Communications, Humanities, Natural Sciences, Social Sciences, Mathematical Sciences/Computer Applications and other approved general education courses.)

- Communications: 6
- Humanities: 6
- Natural Sciences: 6
- Social Sciences: 6
- Mathematical Sciences or Computer Applications: 3

Grade Point Average: 2.0

Residence: 24 hours in the state system, including community colleges. The institution awarding the degree may require up to 12 credit hours be completed at the host institution.

Rules Relating to F's: All F's received four years or more before admission to program are disregarded.

Grades and Grading: Grading will follow the institution's current requirement.

Admission Requirements: Admission and retention requirements will follow the same procedures that govern other degree programs at the institution with the exception that students are not eligible for admission until four years after graduation from high school. In case of those passing a high school equivalency examination, admission must be four years after their high school class graduated.
CHAPTER 1

INTRODUCTION

The Regents Bachelor of Arts degree program is a nontraditional program offered by the baccalaureate degree-granting institutions in West Virginia. The program is designed for adults who are interested in obtaining a bachelor's degree.

Cyril O. Houle, in his book *The External Degree* (1973), states that "The adult degree, in its purest form, was developed in the belief that adults, both psychologically and socially, are so distinctly different from young people that a program of studies designed for men and women should be based at every point on their maturity. Such a degree may depart completely from traditional patterns of admission, instruction, evaluation, or certification, or it may mix new elements with old ones so that some compatibility exists between it and an extension of an internal degree. In either case, however, the guiding principle is that students are men and women, not late adolescents."

The Regents Bachelor of Arts degree program is tailored to fit this description, and to fill the needs of a large number of West Virginians who, for various reasons, have a desire to obtain a baccalaureate degree.

The program is of high academic quality, and the holder of a Regents Bachelor of Arts degree must meet comparable requirements for the more conventional baccalaureate degree. The difference in the two routes toward obtaining a B.A. degree is the key to the program. Credit awarded in the conventional manner may be used in the program, but college equivalent credit awarded for work and life experience also can count toward the degree. Each student entering the program is judged on his or her own merit, and may create a unique program suited for the person's needs. This program is not designed as an escape outlet for students who are excluded from regular programs for reasons of poor scholarship. Poor scholarship in early years, however, should not preclude admission of a candidate who has demonstrated the ability to acquire and use knowledge.

A further discussion and guidelines for implementation of this degree program are discussed at length in the material which follows.

I Admissions

A. A student may be considered for admissions to the Regents Bachelor of Arts degree program by submitting the appropriate undergraduate admission application forms to one of the cooperating institutions.

B. Admission and retention requirements will follow the same procedures that govern other degree programs at the institution with the exception that students are not
eligible for admission until four years after graduation from high school. In the case of those passing a high school equivalency examination, admission must be four years after their high school class graduated.

C. Admission to the degree program does not provide for automatic admission to other programs at West Virginia colleges and universities, but rather provides only for admission to the Regents' Bachelor of Arts program at one of the institutions.

D. Students with regionally accredited baccalaureate degrees are excluded from admission to the Regents Bachelor of Arts program.

E. A student may not be enrolled simultaneously in the Regents degree program and another baccalaureate degree program. However, a student who is in another baccalaureate program and who is in good standing will be considered for admission into the Regents Program after consultation between the Regents BA Coordinator and appropriate academic officers. Appropriate documentation shall accompany the transfer.

F. Upon request by a Regents degree student, transfer between institutions for legitimate reasons may be accomplished by a letter between the degree Program Coordinators at the two institutions, subject to submission of appropriate records.

G. Students may change their major to the Regents Bachelor of Arts at any time during the academic year consistent with institutional administrative processes.

II Fees

A. There is no fee required for application for admission into the Regents Bachelor of Arts degree program.

B. Registration and service fees for enrollment in courses are assessed according to the established fee schedule at each institution.

C. For determination of college equivalent credit for work and life experience, when requested by a student, an assessment fee of $300 is charged. This fee is charged each time a student requests any assessment of work not included in the initial appraisal. In addition to the assessment fee, a processing fee of $10 per credit hour is assessed for hours awarded through the portfolio assessment. The processing fee will not apply to any standardized credit award. Funds generated by this fee revert to the institution awarding the college equivalent credit.

D. Institutions offering the Regents Bachelor of Arts degree program may waive the evaluation fee for full-time employees of the State College and University Systems who have been employed by the respective systems for at least one year.
E. The graduation fees are that of the institution which awards the degree.

III Residency

A. Students must complete a residency requirement of 24 hours in West Virginia’s public higher education system.

B. The residency requirement may be met by successfully completing 24 hours at one or more of the institutions in West Virginia’s public higher education system. The institution granting the degree may require up to twelve credit hours be completed at the host institution.

C. Residency shall be defined as being registered for officially approved coursework which will satisfy graduation requirements. Residency may not be established through any credit received by a credit-by-exam program, standardized testing program or portfolio evaluation.

IV Transfer Credits

A. In transferring credits from accredited institutions of higher learning to the Regents Bachelor of Arts degree program, all passing grades are accepted.

B. Policies of the State College and University Systems regarding transfer of credits between institutions apply to students in the Regents Bachelor of Arts degree program.

C. PEP, CLEP, college-level GED, USAFI, DDST and results of similar tests are acceptable for credit.

D. Correspondence credits from an accredited institution are accepted.

E. Transfer credits are assessed for purposes of meeting requirements in upper- and lower-division instruction at the time of entrance to the degree program.

F. The requirement credits in Communications, Humanities, Social Sciences, Natural Sciences and Mathematical Sciences/Computer Applications may be met by college equivalent credit.

G. Credits for the degree, including the requirement of 39 semester credits of upper division work, may be fulfilled by traditional college courses, credit for correspondence courses, college equivalent credit, credit-by-examination, and credits earned as an approved transient student at other institutions.

H. Credits earned through an assessment of a student’s work and life experience after admission into a Regents BA program shall be transferable to a Regents BA program or Board of Governors AAS program at any institution.
I. Lower division credits earned through an assessment of a student’s work and life experience after admission into a Board of Governors AAS degree program shall be accepted for transfer into a Regents BA program.

V Courses

A. Admission to courses is subject to availability of class space and/or enrollment limitations on the same basis as any other student.

B. Course prerequisites are dealt with in the usual manner.

C. Grading standards for Regents Bachelor of Arts degree program students are the same as for other students.

VI Regents Bachelor of Arts Degree Program Academic Records

A. Each institution must keep a complete permanent academic record marked to indicate that the student is enrolled in the Regents Bachelor of Arts degree program.

B. College equivalent credits which have been approved for work and life experience appear on the academic record with an explanation thereof and course equivalents will appear, if possible.

C. Transfer credits will be noted in the normal manner

D. Portfolios should be retained for at least one year from the date that the portfolio credit is awarded.

VII Regents Bachelor of Arts Degree Program Coordinator

A. The Program Coordinator is appointed by and reports to the President or his designated official at each cooperating institution.

B. The Program Coordinator is responsible for meeting with students in order to discuss completion of admission documents, course enrollment matters, assessments for work and life experiences, and the like.

C. The Program Coordinator is responsible for making all necessary arrangements connected with the awarding of college equivalent credit, participation of a student in proficiency testing programs, and certification of a student for graduation.

D. The Program Coordinator must work cooperatively with faculty members, particularly in the areas of assessments of work and life experience for college equivalent credit, waivers of course prerequisites, and the like.
E. The Program Coordinator is expected to work closely with the principal academic officer in administering the program.

F. The Program Coordinator shall work closely with appropriate academic officers regarding the transfer of students into the RBA program from another baccalaureate program and shall document the transfer with appropriate signatures.

G. The Program Coordinator is responsible for timely reports concerning the program.

H. The Program Coordinator is responsible for assessing the vitality of the program and for recommending changes which will improve the program.

VIII Awarding of Credits for Work and Life Experience

A. The credit awarded for work and life experience is called college equivalent credit.

B. The Program Coordinator requests the assistance of faculty members of sponsoring or other institutions and other experts as needed in order to assess a student's work and life experience. System wide cooperation in such assessments is essential where faculty competence is not available at the sponsoring institution.

C. After a thorough review, including conversations with and/or written reports from a person qualified to assess the student's achievements, the faculty member or members recommend to the Program Coordinator the hours and level of credit to be given for the work and life experience.

D. If either the Program Coordinator or the student challenges the amount of credit awarded, the matter may be referred to a committee of the faculty.

E. The actual awarding of college equivalent credit is made by the principal academic officer of the institution or his/her designated representative.

F. Standardized awards for certain credentials may be established pursuant to the provisions in Section XI of this chapter. A summary of credit awards for certified credentials is contained in Chapter Four of these Guidelines.

G. Credits for work and life experience shall transfer pursuant to the provisions of Section IV, subsection H of these Guidelines.

H. ACE recommended college level credit shall be accepted toward the RBA program with appropriate documentation.
IX Graduation

A. There is no prescribed timetable for completion of the requirements for the Regents Bachelor of Arts degree program.

B. The Regents Bachelor of Arts diploma is awarded by the sponsoring institution at regular commencement exercises.

X Regents Area of Emphasis

An institution may permit students to complete a Regents Area of Emphasis in institutionally sanctioned program areas under the following conditions:

1. Upon request by the student, the transcript of any RBA graduate may include the following phrase, “with a Regents Area of Emphasis in ____.”

2. A student is eligible for the Regents Area of Emphasis designation whenever the student has met the following condition as part of his/her RBA program:

   Completion of a minimum of 15 hours of upper division, graded coursework, with a minimum grade of A@ in each course, in any institutionally sanctioned program area of study.

3. The Regents BA Program Coordinator will be responsible for certifying completion of the appropriate coursework and recommending the regents area of emphasis designation.

4. The final approval of the Regents Area of Emphasis designation will be made by the chief academic officer of the institution or his/her designee.

XI Coordinating Committee

A. The Coordinating Committee is chaired by the Director of Academic Affairs or his designated official and includes each campus Program Coordinator as a member.

B. The Coordinating Committee has responsibility for periodically reviewing policies and procedures related to admissions, the assessment fee, transfer credits, transcripts, assessment of work and life experience, promotional activities, and other matters important to the vitality and quality of the program. Following such review the Coordinating Committee may recommend changes. Recommendations are forwarded to the Academic Affairs Advisory Committees for final approval.

C. The Coordinating Committee may recommend standardized awards for certain credentials. These credentials are used as guides when awarding credit for work
or life experience in these areas. Each standardized award shall be reviewed at least every ten years by the Committee.

XII **Miscellaneous**

Institutional procedures and policies prevail for the Regents Bachelor of Arts degree program with regard to:

1. Calendar
2. Eligibility for financial aid
3. Athletic participation
4. Student elective offices
5. Institutional procedures, graduation requirements, etc.
CHAPTER 2

Some questions and answers on the awarding of credit for work and life experience in the Regents Bachelor of Arts Degree Program.

1. **For what will credit be awarded?**
   
   For knowledge and skills acquired outside of colleges and universities that are reasonably comparable to the learning outcomes of courses normally applied to a baccalaureate degree.

2. **What will such credits be called?**
   
   College equivalent credits.

3. **How many college equivalent credits may be awarded to a student?**
   
   No upper limit is specified.

4. **Who will award these credits?**
   
   The colleges and universities participating in the program, with decisions made by the appropriate faculty personnel.

5. **Who will be eligible for such credits?**
   
   Those persons admitted to the Regents Bachelor of Arts degree program by a participating college or University.

6. **What must students do to get college equivalent credits?**
   
   A student may submit a portfolio for evaluation at the home institution for faculty assessment and recommendation.

7. **Will there be an appeals procedure?**
   
   Yes. See Section VII. D. of the Administrative Guidelines.

8. **Are college equivalent credits transferable?**
   
   It is intended that such credits will be used only for purposes of earning the Regents Bachelor of Arts degree. Participating colleges and universities could, of course, set up a similar credit awarding system for their other degree programs.
9. **How do college equivalent credits appear on a student's academic record?**

   Such credits are always labeled college equivalent credits, with an indication of the date awarded. Whenever possible, the work or life experience should be translated into course titles with appropriate credit given for each course. Titles found in the catalog of the institution awarding the credit should preferably be used, but course titles found in other college catalogs are acceptable. When the work and life experience deserving of credit cannot be equated with specific course titles, the student may be awarded a specified number of credits in disciplines or general areas of learning (for example, in economics or in the natural sciences).

10. **Can students shop around for the maximum credit award?**

    No. The student selects the school that will make the assessments and is entitled to only one assessment for any experience.
CHAPTER 3

Information for Regents Bachelor of Arts Degree Program Coordinators

The following information has been assembled to assist the institutional Program Coordinators in administering the Regents Bachelor of Arts degree program. The "Guidelines for the Regents Bachelor of Arts Degree Program" contains the degree requirements, administrative guidelines and questions and answers on college equivalent credit and constitutes the policies which were worked out cooperatively and which all institutions are bound to follow. This appendix contains suggestions, and examples, but each institution will develop practices that best fit its own circumstances.

The Regents Bachelor of Arts degree differs from other baccalaureate degrees in two ways. First, there is no specified major. Each student may tailor the program to cover his needs. This aspect of the program, however, presents no unusual administrative or judgmental problems for Program Coordinators. The second basic difference for traditional baccalaureate degree programs relates to the recognition of learning outside the classroom. Because this difference is believed to be the one that requires most attention from the Program Coordinators, it is the principal focus of the following pages.

A. Some General Observations

The following points are not peculiar to the situation in West Virginia and, in fact, this material is borrowed from a booklet prepared by Mr. C. Edward Gilpatrick of Northeastern Illinois University. Nevertheless, the ideas expressed are both applicable and useful in dealing with the Regents Bachelor of Arts degree.

The central principle that underlies the life experience assessment process is that what the student knows is more important than how he learned it. If a student can demonstrate that his knowledge and skills are reasonably comparable to what the college-educated student knows, then equal credit will be awarded. It is unimportant whether the student's learning took place at an accredited college or elsewhere, whether the instructors held advanced degrees or no degrees at all, whether the matter was learned within the near past or the distant past, or how long it took to acquire some knowledge or skill. As long as the student can provide sufficient evidence that he possesses college equivalent knowledge or skills, his achievements will be credited and recognized as applicable towards this degree program.

The term "life experience" is a partial misnomer since credit is not given for simply any kind of adult life experience, but only for those experiences that produce learning and skills comparable to the outcomes of courses or training at postsecondary levels. As a general principle, if colleges and universities generally award credits for the acquisition of
certain kinds of knowledge and skills by standard course work, then comparable competence acquired in other ways will be credited through this experience and assessment process.

One thing that the Regents Bachelor of Arts degree program does not do is to issue a certificate of life competence. Many adults have been quite successful in raising families, in the business world, in community work, and other adult enterprises. These experiences do not translate directly into academic credit. Mere years of experience are not a reliable indicator of learning, and further, many valuable--even noble--human experiences produce outcomes that colleges and universities do not credit. What is being attempted is the translation of certain adult learning experiences into the negotiable coin of the academic world, namely, hours of credit.

The evaluation of student competence is made by teaching faculty. This is one of the strengths of the program since the same professionals who regularly judge student performance and award credit in standard programs are exercising their professional competence and responsibility in assessing the learning and competence of students applying for credit equivalency. Another advantage is being able to evaluate students and make awards of credit from the very start of the program. College faculty are competent to make judgments about the quality and value of the work their students regularly submit. These same faculty members are asked to review the statement and documentation of a student seeking credit equivalency and, when appropriate, to make a recommendation for an award of credit.

The quality of evaluation of students’ work should be comparable to that of traditional or standard programs since the same academic personnel make the judgments in this program as in others. The Program Coordinator and the principal academic officer at each institution share the general responsibility for seeing that academic standards are maintained and, at least as important, that adult students receive a fair evaluation and an award of credit that does justice to what they genuinely know that is college creditable.

B. Credit Earning Experiences: An Overview

Much of the credit used in earning the Regents Bachelor of Arts degree is the traditional type. It may have been awarded at the sponsoring institution, but there is likely a higher percent of transfer credit than is normal in other baccalaureate degree programs.

Three other types of credit-earning experiences are important in the program. These are listed in order of the magnitude by which they differ from awarding credit through regular course offerings: credit by examination; training programs, but not at a college or university; and life or work experience.

1. Credit by Examination

Each institution normally has a policy and procedure for awarding credit by examination. In some cases, exams are prepared and graded by the faculty at each institution. In other cases, the College-Level Examination Program (CLEP) or Proficiency Examination Program (PEP) is used. It may be helpful to keep
handy a copy of the institution’s policies on credit by examination, together with a copy of any System policy dealing with CLEP and PEP. The Coordinator’s role is to counsel the candidate regarding this option for earning credit.

2. **Training Programs**

In dealing with training programs, the American Council on Education’s Office on Education Credit (formerly, the Commission on the Accreditation of Service Experience, or CASE) provides reliable guidance for assessing programs. For nearly 30 years, CASE (and now OEC) have been evaluating military service school courses and have made college-level credit recommendations where appropriate. Your institution already has experience in this area, but colleges and the armed services are not the only sources of quality educational programs. Excellent instructional programs have been offered by business, government, industry, and labor unions to employees and apprentices, and often these courses have been assigned credit by colleges.

In making judgments regarding credit for work in training programs, the following guidelines may be useful:

a. The program must be certified by the sponsoring agency as being an officially sanctioned program of that agency. Strict records of program completion must be available on any candidate wishing to claim college credits for completion.

b. The program must have a history; specifically, it must have been used at least twice by the sponsoring agency and must have been used by at least 50 participants.

c. There must be visible means of evaluating the program, including some of the following: syllabi, course outlines, text materials, student activity material, completed student assignments, mediated materials.

d. The program must be evaluated in detail by a validation committee composed of agency representatives, representatives of the academic unit(s) best able to judge the worth of the program, and a designated administrative officer(s) of the college.

3. **Life or Work Experience**

Life or work experience in activities such as public service internships, cooperative education programs, and cross-cultural learning experiences—both within and outside the United States—have led to college credit in West Virginia. Normally, credit has been awarded when the institution has judged beforehand that the proposed experience would be worthy of the college credit. Under the Regents Bachelor of Arts degree you will be asked to deal with learning that did not receive prior sanction by the institution. The next section deals with this matter in some detail.
C. **Typical Steps for Awarding College Equivalent Credit**

The following is reproduced from CAEL, Working Paper No. 1, "Current Practices in the Assessment of Experiential Learning:"

**Steps in assessment.** However a program for crediting prior learning may be set up administratively, there tend to be certain general steps that are commonly followed in most institutions from the time a student first inquires about the possibility of obtaining credit until credit is actually granted. The steps vary among institutions, but they generally include such procedures as:

- In a preliminary contact the student finds out about the program and gives initial information concerning the learning experiences for which credit is sought. This contact ordinarily engages consideration of whether the student's experience appears to warrant the assessment (which often bears a fee). This may also be a time for discussing the admissibility of the student if credit for prior learning is granted only in the context of a special program or if credit for prior learning bears upon the student's decision to matriculate.

- If the assessment is to be carried out, the student receives information concerning the process of collecting and documenting prior learning. Forms and instructions may be provided, though this inventory suggests that these are quite sparse in most instances.

- The student then identifies learning, competencies, and skills that may be creditable. There is considerable variation among institutions in the extent to which these need to be articulated to degree objectives. Often a variety of learning experiences generally comparable to college-level work are credited to general education requirements or some similar form of distribution requirements.

- The student solicits and collects documentation or verification of learning experiences plus other evidence as may be necessary to evaluate the learning cited and justify the claim for credit.

- The student assembles a portfolio, folder, etc., that serves as a petition to the institution and as an evidentiary basis for any credit that may be granted. Portfolios vary a great deal. Most seem to contain at least three components in some form or another: (1) a specific request for credit, often spelled out in relation to institutional guidelines and degree plans; (2) a written report in which the student describes competencies and skills achieved in various types of prior experiential learning; and (3) a collection of documenting letters, certificates, evaluations, and other evidence that may be helpful in supporting the claim.

- Collateral to the previous three steps, students seek faculty guidance on how to assemble the necessary materials and how to develop a petition that is part of a larger educational plan. Throughout this inventory, conversations with faculty and students indicate that the extent of such help to the student either in written form or personal contact is quite uneven across institutions and from student to student. In some instances the student appears to be pretty much on his or her own in dealing with the
problem, though it is almost always described by students and faculty as especially important and quite demanding.

- The actual evaluation of the student's portfolio is carried out by an individual or committee, sometimes with the student present and sometimes not. This may be a very brief process or extended to several hours. That seems to depend partly upon how structured the portfolio is and how much work is required of the student in its preparation. Following this formal evaluation, the student often, but evidently not always, receives immediate feedback with respect to credit granted.

D. Instructions for Students

Some institutions receive a large number of requests for college-equivalent credit. The Program Coordinators at these institutions should prepare written materials to serve as instructions for students.

E. Instructions for Faculty

The method used to communicate and work with faculty varies with the individual Program Coordinators and the different campus circumstances. However, many of the points which are covered with faculty are common to all institutions.
## CHAPTER 4

### SUMMARY OF CREDIT AWARDS FOR CERTIFIED CREDENTIALS

<table>
<thead>
<tr>
<th>I.</th>
<th>ALLIED HEALTH CREDENTIAL</th>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/ Last Review</th>
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<td>A.</td>
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<td>Radiological Technologies</td>
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*(A) Post-Primary Certification*
# I. ALLIED HEALTH CREDENTIAL

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## C. Respiratory Therapy (Appendix 6)

1. Certified Respiratory Therapy Technician (CRTT)
2. Registered Respiratory Therapist (RRT)

## D. Other Credentials

1. Medical Laboratory Technologist (Appendix 16)
2. Emergency Medical Technician Training Program (before 1995)
3. Emergency Medical Technician - Basic Course (Appendix 7)
4. Standard First Aid (Red Cross 3207) – see Appendix 7 for list of courses covered
5. Emergency Medical Technician – Mining (Appendix 7)
6. ARC First Aid – Responding to Emergencies 3215 (6-8 hour course)
7. Responding to Emergencies Training Programs (EMS First Responder, Red Cross Emergency Response Training, Wilderness Advanced First Aid Training) 52 hour courses (Appendix 7)
8. Paramedic I (MICP) – completion of DOT modules 1-6, 15 (Appendix 7) discontinued
9. Paramedic II (NREMT) – completion of all 15 DOT modules (Appendix 7) discontinued
10. Cytotechnology (Appendix 8)
11. Water Safety Instructor (Appendix 23)
12. Basic Lifeguarding (Red Cross 3408 & 3416) (Appendix 23)
13. Certified Ophthalmic Technician (Appendix 9)
14. Certified Ophthalmic Medical Technologist (Appendix 9)
15. Pharmacy Technician (Appendix 27)
16. Tumor Registry (Appendix 26)
### I. ALLIED HEALTH CREDENTIAL

<table>
<thead>
<tr>
<th>Number</th>
<th>Credential Name</th>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/ Last Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.</td>
<td>Massage Therapy (Appendix 33)</td>
<td>MCTC</td>
<td>40-42</td>
<td></td>
<td>2006</td>
</tr>
<tr>
<td>18.</td>
<td>Phlebotomy Technician (Appendix 36)</td>
<td>WVNCC</td>
<td>6</td>
<td></td>
<td>2009</td>
</tr>
<tr>
<td>19.</td>
<td>Point of Care Certificate (Appendix 39)</td>
<td>SWVCTC</td>
<td>8</td>
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<td>2013</td>
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</table>

### E. Health Information Technology (Appendix 44)

<table>
<thead>
<tr>
<th>Number</th>
<th>Credential Name</th>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/ Last Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Clinician/Practitioner Consultant (AHIA)</td>
<td>PCTC</td>
<td>6</td>
<td></td>
<td>2017</td>
</tr>
<tr>
<td>2.</td>
<td>Implementation Manager (AHIA)</td>
<td>PCTC</td>
<td>6</td>
<td></td>
<td>2017</td>
</tr>
<tr>
<td>3.</td>
<td>Implementation Support Specialist (AHIA)</td>
<td>PCTC</td>
<td>15</td>
<td></td>
<td>2017</td>
</tr>
<tr>
<td>4.</td>
<td>Practice Workflow &amp; Information Management Redesign Specialist (AHIA)</td>
<td>PCTC</td>
<td>12</td>
<td>2017</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>Technical/Software Support Staff (AHIA)</td>
<td>PCTC</td>
<td>18</td>
<td></td>
<td>2017</td>
</tr>
<tr>
<td>6.</td>
<td>Trainer (AHIA)</td>
<td>PCTC</td>
<td>9</td>
<td></td>
<td>2017</td>
</tr>
<tr>
<td>7.</td>
<td>Certified Healthcare Documentation Specialist Certification (AHDI)</td>
<td>PCTC</td>
<td>6</td>
<td>2017</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>Certified Professional Coder (AAPC)</td>
<td>PCTC</td>
<td>6</td>
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<td>2017</td>
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</table>

### II. AVIATION SCIENCES CREDENTIAL

<table>
<thead>
<tr>
<th>Number</th>
<th>Credential Name</th>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/ Last Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>FAA Academy (Appendix 10)</td>
<td>FSU</td>
<td>40</td>
<td>20</td>
<td>1975 / 2008</td>
</tr>
<tr>
<td>2.</td>
<td>FAA Management Training School (Appendix 10)</td>
<td>FSU</td>
<td></td>
<td>17</td>
<td>1975 / 2008</td>
</tr>
<tr>
<td>3.</td>
<td>FAA Navigational Aide (Appendix 10)</td>
<td>FSU</td>
<td>See list of approved courses</td>
<td>1975 / 2008</td>
<td></td>
</tr>
<tr>
<td>4.</td>
<td>FAA Radar/Communications (Appendix 10)</td>
<td>FSU</td>
<td>See list of approved courses</td>
<td>1975 / 2008</td>
<td></td>
</tr>
<tr>
<td>5.</td>
<td>FAA Data Systems (Appendix 10)</td>
<td>FSU</td>
<td>See list of approved courses</td>
<td>1975 / 2008</td>
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</table>
## II. AVIATION SCIENCES CREDENTIAL

<table>
<thead>
<tr>
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<th>Date Developed/Last Review</th>
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<tbody>
<tr>
<td>FSU</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SU</td>
<td>See list of approved courses</td>
<td></td>
<td>1975 / 2008</td>
</tr>
</tbody>
</table>

### 6. Environmental Support (Appendix 10)

### 7. Journeyman Air Traffic Controller (Appendix 11)

## B. Licenses Pilots, Instructors, Maintenance* (Appendix 12)

<table>
<thead>
<tr>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/Last Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>WVUIT</td>
<td>6</td>
<td>8</td>
<td>2014</td>
</tr>
<tr>
<td>WVUIT</td>
<td>6</td>
<td>3</td>
<td>2014</td>
</tr>
<tr>
<td>WVUIT</td>
<td>6</td>
<td>6</td>
<td>2014</td>
</tr>
<tr>
<td>WVUIT</td>
<td>6</td>
<td>3</td>
<td>2014</td>
</tr>
<tr>
<td>WVUIT</td>
<td>3</td>
<td>4</td>
<td>2014</td>
</tr>
<tr>
<td>WVUIT</td>
<td>6</td>
<td>6</td>
<td>2014</td>
</tr>
<tr>
<td>WVUIT</td>
<td>6</td>
<td>6</td>
<td>2014</td>
</tr>
</tbody>
</table>

### 1. Pilot and Instructor Certificates (listed basic to advanced)
- Private Pilot
- Commercial Pilot
- Airline Transport Pilot

### 2. Pilot Ratings
- Instrument
- Multi-Engine
- Type Rating (for advanced aircraft)
  - Pilot in Command (PIC) or
  - Second in Command (SIC)
- Additional Rotorcraft or Airplane Rating

### 3. Flight Instructor Certificate
- Instructor Ratings
  - Additional Single or Multi-Engine Flight Instructor Rating
  - Instrument Flight Instructor
  - Dual Rated Instructor (airplanes & helicopters)

### 4. Flight Engineer

### 5. Aviation Maintenance Technician (Air Frame Rating)
*2014 review recommended using ACE Guide recommendation (Appendix 40)*

### 6. Aviation Maintenance Technician (Powerplant Rating)
*2014 review recommended using ACE Guide recommendation (Appendix 40)*

### 7. Air Frame AND Powerplant ratings (Appendix 40)

## III. BUSINESS AREAS CREDENTIAL

<table>
<thead>
<tr>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/Last Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLU</td>
<td>15</td>
<td>15</td>
<td>1975 / 2006</td>
</tr>
<tr>
<td>WLU</td>
<td>15</td>
<td>15</td>
<td>1975 / 2006</td>
</tr>
</tbody>
</table>

### 1. Chartered Life Underwriter (CLU) diploma (Appendix 13)

### 2. Certified Administrative Manager (CAM) Professional diploma (Appendix 13)
<table>
<thead>
<tr>
<th>III. BUSINESS AREAS CREDENTIAL</th>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/ Last Review</th>
</tr>
</thead>
<tbody>
<tr>
<td>5. Certified Professional Secretary (CPS) Diploma (Appendix 13) *Note: This award is applicable for diplomas awarded prior 1981. For diplomas received after 1981, please consult ACE Guide.</td>
<td>WLU</td>
<td>21</td>
<td>9-15</td>
<td>1975 / 2006</td>
</tr>
<tr>
<td>10. National Institute of Credit (NIC) (Appendix 14) a. Associate Award b. Fellow Award (6 years experience) *Note: This certified professional program is no longer offered.</td>
<td>WLU</td>
<td>15</td>
<td>6</td>
<td>1975 / 2006</td>
</tr>
<tr>
<td>11. National Institute on Consumer Credit Management (Marquette) 6-year (Appendix 14) *Note: This certified professional program is no longer offered.</td>
<td>WLU</td>
<td>6-16</td>
<td>6</td>
<td>1975 / 2006</td>
</tr>
<tr>
<td>12. National Installment Banking School (NIBS) Colorado 9-year (Appendix 14) *Note: This certified professional program is no longer offered.</td>
<td>WLU</td>
<td>9+9+3</td>
<td>6</td>
<td>1975 / 2006</td>
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</table>
### III. BUSINESS AREAS CREDENTIAL

<table>
<thead>
<tr>
<th></th>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/Last Review</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>a. CompTIA A+</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>b. CompTIA Network+</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>c. MCP, Microsoft Certified Professional Windows 2000 (MS Exam 70-210)</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>d. MCP, Microsoft Certified Professional, Windows 2000 Server (MS Exam 70-215)</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>e. MCP, Microsoft Certified Professional, Network Infrastructure (MS Exam 70-216)</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>f. MCP, Microsoft Certified Professional, Directory Services Infrastructure (MS Exam 70-217)</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>g. MCP, Microsoft Certified Professional, Network Security Design (MS Exam 70-220)</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>h. MCP, Microsoft Certified Professional, Directory Services Design (MS Exam 70-219)</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>i. MCP, Microsoft Certified Professional, Network Infrastructure Design (MS Exam 70-221)</td>
<td>3</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>j. MCSE, Microsoft Certified Systems Engineer (Total of the above 7 individual Microsoft certification exams.)</td>
<td>9</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td></td>
<td>k. CCNA, Cisco Certified Network Associate</td>
<td>16</td>
<td>2002 / 2015</td>
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<tr>
<td></td>
<td>l. Cisco Advanced Routing, First of four exams required to earn the CCNP, Cisco Certified Network Professional</td>
<td>2</td>
<td>2002 / 2015</td>
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<tr>
<td></td>
<td>m. Cisco Remote Access, Second of four exams required to earn the CCNP, Cisco Certified Network Professional</td>
<td>2</td>
<td>2002 / 2015</td>
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<tr>
<td></td>
<td>n. Cisco Multi-layer Switched Networks, Third of four exams required to earn the CCNP, Cisco Certified Network Professional</td>
<td>2</td>
<td>2002 / 2015</td>
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<tr>
<td></td>
<td>o. Cisco Advanced Inter-Network Troubleshooting, Fourth of four exams required to earn the CCNP, Cisco Certified Network Professional</td>
<td>2</td>
<td>2002 / 2015</td>
<td></td>
</tr>
<tr>
<td>17.</td>
<td>Insurance Licensure (Appendix 37)</td>
<td>KVCTC</td>
<td>3</td>
<td>2009</td>
</tr>
<tr>
<td></td>
<td>a. Life</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>b. Property &amp; Casualty</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>c. Accident &amp; Sickness</td>
<td>1</td>
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### IV. MISCELLANEOUS CREDENTIAL

<table>
<thead>
<tr>
<th>A. Criminal Justice Training Programs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. State Police Training Course</strong></td>
</tr>
<tr>
<td>(Appendix 15)</td>
</tr>
<tr>
<td>a. After 1977</td>
</tr>
<tr>
<td>b. Before 1976</td>
</tr>
<tr>
<td><strong>2. Basic Police Training Course</strong></td>
</tr>
<tr>
<td>(Appendix 15)</td>
</tr>
<tr>
<td><strong>B. Credit from year one of selected Professional Schools</strong> (Appendix 17)</td>
</tr>
<tr>
<td>Dentistry, Medicine, Veterinary Medicine, Podiatric Medicine, Optometry, Osteopathic Medicine, Chiropractic Education) for year four of RBA</td>
</tr>
<tr>
<td><strong>C. Magistrate Training Program</strong></td>
</tr>
<tr>
<td>(1984-2000 and 2002-present) (Appendix 18)</td>
</tr>
<tr>
<td><strong>D. Corrections Training</strong> (prior to Oct. 2008) (Appendix 20)</td>
</tr>
<tr>
<td>Awarded upon presentation of Academy Diploma, and internship certificate and upon completion of general education core (36 hrs) and additional 15 hrs. (See Appendix)</td>
</tr>
<tr>
<td><strong>E. Corrections Academy</strong> (after Oct. 2008) (Appendix 34)</td>
</tr>
<tr>
<td>Basic Specialization</td>
</tr>
<tr>
<td>1. Correctional Officer, Corrections Emergency Response Team (CERT) Officer or Marksman-Observer</td>
</tr>
<tr>
<td>2. Crisis Negotiator (CNT) or Correctional Officer, Correctional Counselor, Case Manager, Unit Manager</td>
</tr>
<tr>
<td>3. Controlled &amp; Dangerous Substance (CDS) K-9 Handler</td>
</tr>
<tr>
<td>4. Patrol K-9 Handler</td>
</tr>
<tr>
<td><strong>F. National Occupational Competency Testing Institute (NOCTI Exam)</strong> (Appendix 21)</td>
</tr>
<tr>
<td>a. Written exam</td>
</tr>
<tr>
<td>b. Performance exam</td>
</tr>
<tr>
<td>c. Full exam</td>
</tr>
<tr>
<td><strong>G. Certified Case Manager</strong> (Appendix 22)</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Recommending Institution</th>
<th>Lower Division</th>
<th>Upper Division</th>
<th>Date Developed/Last Review</th>
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<tbody>
<tr>
<td>WVSU / MU</td>
<td>13</td>
<td>18</td>
<td>1979 / 1996</td>
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<td>WVSU</td>
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<td>1979 / 2017</td>
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<td>WVU</td>
<td>38</td>
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<td>WVUIT</td>
<td>30</td>
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<td>2001</td>
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<tr>
<td>WVU-P</td>
<td>10</td>
<td>29</td>
<td>2008</td>
</tr>
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<td>WVUIT</td>
<td>7</td>
<td>8</td>
<td>1995 / 2017</td>
</tr>
<tr>
<td>WVU</td>
<td>12-18</td>
<td></td>
<td>1995 / 2009</td>
</tr>
<tr>
<td>IV. MISCELLANEOUS CREDENTIAL</td>
<td>Recommending Institution</td>
<td>Lower Division</td>
<td>Upper Division</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------</td>
<td>---------------</td>
<td>---------------</td>
</tr>
</tbody>
</table>
| H. Graduate Record Examinations (GRE) Advanced Subject Tests (Appendix 24)  
*Note: Transcript should be reviewed by appropriate academic officer to avoid duplication of credit.* | WVUIT | 3-12  
See Appendix | 0-18  
See Appendix | 1996 / 2007 |
| I. Fire Service Extension College Credit Manual (Appendix 29) | WVU | 0-6  
See Appendix for specific course credits | 0-3  
See Appendix for specific course credits | 2004 / 2015 |
| J. Professional Land Surveying (Appendix 30) | GSC | 44 | | 2005 |
| K. Mining Certifications (Appendix 31)  
*Surface or Apprentice Surface Miner*  
*Underground or Apprentice Underground Miner*  
*Certified Mine Electrician*  
*Prep-Plant Technician*  
*Coal Lab Technician*  
*Mine Foreman*  
*Foreman / Fireboss Certification*  
*Truck Driver*  
*Shot Firer*  
*Mine Rescue* | SWVCTC | 3  
5 | 6  
4 | 3  
6  
1 | 2005 |
| L. Child Development - Associate Certificate (Appendix 35) | MCTC | 12 | | 2008 |
| M. Cosmetology (Appendix 38) | NRCTC/SWVCTC | 27 | | 2012 |
| N. Foster/Adoptive Care (Appendix 41)  
*Level 1 Certificate*  
*Level 2 Certificate* | CU | 3  
3 | | 2015 |
| O. Early Childhood (WV E-Learning) (Appendix 42) | CU | 9 | | 2014 |

11/2017
Appendix 1
Acceptance of Credits for the RBA Degree Program

October 2017

Continue to support the current allocation of awarding nursing credit for the RBA Degree Program as follows:

For the Registered Nurse, Diploma Program Graduate:

Nursing Education- 30 lower division credits

Advanced Nursing Education- 15 upper division credits

For the Licensed Practical Nurse Licensure- 15 lower division credits

For the 18 month Nurse Anesthetist Certificate- 45 upper division credits

For the 24 month Nurse Anesthetist Certificate- 60 upper division credits

For the Pediatric Nurse Associate Certificate- 24 upper division credits.

Mary Sharon Boni, PhD, MSN, RN

Dean and Professor, School of Nursing
April 3, 2008

Paul Milhoan, Ed.D.
Chair of Technology Division
Director BOG A.A.S. and RBA
WVU-Parkersburg
300 Campus Drive
Parkersburg, WV 26104

Dear Dr. Milhoan,

After successful completion of Nursing 116, Enrichment Course for LPNs, Licensed Practical Nurses (LPN) entering our Registered Nurse (RN) Associate Degree program are awarded 18 hours of lower-division credit toward the RN program.

Based on our practice and the credit awards listed for the BOG/RBA allied health nursing credentials, it is my recommendation that LPNs be awarded 15 more lower-division hours and 15 upper-division hours with the successful completion of a RN hospital diploma program.

If you have any questions, please contact me at (304) 424-8266.

Sincerely,

Rose Beebe, B.S.N., M.S., RN
Chair of Health Sciences Division
Regents Bachelor of Arts Degree Information for Evaluating Nursing Portfolios

We look exclusively for continuing education validation. We do not award credit for work experience as this experience does not constitute learning by objectives. It has been our experience that candidates who ask for credit for work experience have not produced objective evaluation of cognitive development. They have instead provided job descriptions and non-specific employer evaluations.

If a student submits certificates demonstrating CEU’s in topics related to health care, we will review them and award credit if appropriate based on 15 contact hours to 1 credit. We rarely give credit for a specific course unless the student can demonstrate how he/she has met the course objectives and been evaluated in terms of those objectives.

Usually we will award “Special Topics” credit in an appropriate area. If a candidate submits recertifications in a specific area or for a specific skill such as Advanced Cardiac Life Support, they are only eligible for credit for a specific skill. We feel that offering repeat credit for recertification is comparable to allowing a student to take the same course repeatedly and earn college credit. Other students are not allowed to do this.

We do not award credit for teaching classes in a content area. However, if the student produces evidences of continuing education in that area, credit is awarded as described above. The Education Department may be able to evaluate teaching experience, we do not do that.
Memo

Date: 3/28/07
To: Program Coordinators: Board of Governors AAS, & Regents Bachelors of Arts
Cc: Steven L. Brown, Marshall Community and Technical College
From: Jean Chappell, Marshall Community and Technical College
RE: Radiologic Technology Therapy Equivalent College Credit Evaluation

The Radiologic Technology program of study has been reviewed by Jean Chappell, Associate Dean, Division of Allied Health. The recommendation is for awarding of the following credits for graduates from nationally accredited radiologic technology programs, such as the Joint Review Committee on Education in Radiologic Technology. Graduates must have passed the national board examination for radiologic technologists prior to application for credit.

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals of Radiographic Science</td>
<td>1</td>
</tr>
<tr>
<td>Patient Care</td>
<td>1</td>
</tr>
<tr>
<td>Ethics and Law</td>
<td>1</td>
</tr>
<tr>
<td>Radiographic Procedures I/ Lab I</td>
<td>4</td>
</tr>
<tr>
<td>Clinical Practice I</td>
<td>5</td>
</tr>
<tr>
<td>Radiographic Procedures II/ Lab II</td>
<td>5</td>
</tr>
<tr>
<td>Radiographic Science Pharmacology</td>
<td>2</td>
</tr>
<tr>
<td>Clinical Practice II</td>
<td>7</td>
</tr>
<tr>
<td>Diversity for Radiologic Technology</td>
<td>3</td>
</tr>
<tr>
<td>Radiation Production and Characteristics</td>
<td>2</td>
</tr>
<tr>
<td>Imaging and Processing/Imaging Lab I</td>
<td>4</td>
</tr>
<tr>
<td>Radiographic Pathology</td>
<td>2</td>
</tr>
<tr>
<td>Clinical Practice III</td>
<td>6</td>
</tr>
<tr>
<td>Radiobiology</td>
<td>2</td>
</tr>
<tr>
<td>Radiation Protection</td>
<td>2</td>
</tr>
<tr>
<td>Imaging Lab II</td>
<td>1</td>
</tr>
<tr>
<td>Computers in Radiologic Science</td>
<td>1</td>
</tr>
<tr>
<td>Imaging Equipment</td>
<td>2</td>
</tr>
<tr>
<td>Clinical Practice IV</td>
<td>4</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>55</td>
</tr>
</tbody>
</table>

**The exam course titles may vary, but the content of the program (taken in total) must contain the courses listed for full credit to be awarded**
REGENTS B.A. DEGREE PROGRAM
AT
FAIRMONT STATE COLLEGE
OCTOBER, 1975

Standard Equivalencies, College-Equivalent Credit

1. Registered Nurse, Diploma Program Graduation

<table>
<thead>
<tr>
<th>Nurs. Ed.</th>
<th>Nursing Education</th>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nurs. Ed.</td>
<td>Advanced Nursing Education</td>
<td>30</td>
<td>15</td>
</tr>
</tbody>
</table>

Note: Completion of nursing program satisfies the 6-hour science requirement in general education.

2. Licensed Practical Nurse

<table>
<thead>
<tr>
<th>Health Sci.</th>
<th>Practical Nursing</th>
<th>Lower</th>
<th>Upper</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>15</td>
<td></td>
</tr>
</tbody>
</table>

3. Certified Laboratory Assistant, Registered ASCP

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Lower</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>MLT 101</td>
<td>Intro. to Med. Lab. Tech</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MLT 102</td>
<td>Introduction to MLT</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MLT 200</td>
<td>Clinical Laboratory Orientation</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>MLT 201</td>
<td>Clinical Microscopy</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>MLT 202</td>
<td>Clinical Serology</td>
<td>2</td>
<td></td>
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<tr>
<td>MLT 203</td>
<td>Clinical Hematology</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MLT 204</td>
<td>Immunohematology and Blood Bank</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>MLT 205</td>
<td>Clinical Biochemistry</td>
<td>5</td>
<td></td>
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<tr>
<td>MLT 206</td>
<td>Clinical Microbiology</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>MLT 207</td>
<td>Electrocardiography</td>
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4. Registered Radiologic Technologist (ARRT)

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Lower</th>
<th>Total Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>RAT 150</td>
<td>Intro. to Radiologic Technology</td>
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<td></td>
</tr>
<tr>
<td>RAT 151</td>
<td>Darkroom Chemistry and Technique</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>RAT 152</td>
<td>Nursing Procedures Pertinent to Radiology</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>RAT 153</td>
<td>Radiobiology I.</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RAT 154</td>
<td>Radiologic Physics</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>RAT 155</td>
<td>Radiographic Positioning</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>RAT 156</td>
<td>Principles of Radiographic Exposure</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>RAT 157</td>
<td>Medical Terminology</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>RAT 158</td>
<td>Common Procedures Using Contrast</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>RAT 159</td>
<td>Pediatric Radiography</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>RAT 160</td>
<td>Protection to Patients and Personnel</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>RAT 161</td>
<td>Special Radiographic Procedures</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>RAT 162</td>
<td>Radiobiology II</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>RAT 163</td>
<td>Radiation Therapy</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>RAT 164</td>
<td>Medical Uses of Radioisotopes</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>
RAT 165  Survey of Medical & Surgical Diseases  1
RAT 166  Departmental Adm. & Office Procedures  1
RAT 167  Principles of Teaching  1
RAT 168  Equipment Maintenance  1
RAT 169  Registry Review  4
RAT 170  Practicum I  3
RAT 171  Practicum II  3
RAT 172  Practicum III  4

5. Federal Aviation Administration Personnel.
   A. Completion of FAA Academy program
      Tech. Aviation Administration  40
      Tech. Advanced Aviation Administration  20
   B. FAA Management Training School, Lawton, OK
      Bus. Managerial Basic Courses (FAA)  5
      Bus. Managerial Recurrent Course (FAA)  3
      Bus. Supervisory Basic Course (FAA)  6
      Bus. Supervisory Recurrent Course (FAA)  2
   C. FAA courses in navigational aides, radar and communications, data systems, and environmental support will be equated in accord with the credit recommendations established by the University of the State of New York, State Education Department. Lists are available in the coordinator's office.

6. Pediatric Nurse Associate (WVU Med School)
     Health Science  Pediatric Nurse Associate Program  Lower  24

7. Nurse Anesthetist (Certified or Examined AANA)
     Health Science  Nurse Anesthetist Program (18 mos) (24 mos) Lower  45
                        (24 mos)  60
MEMORANUDM

TO:       Dr. Mark Stotler
          West Virginia Higher Education Policy Commission

FROM:    Mimi Blaylock
         Regents BA/Nontraditional Programs

DATE:        October 6, 2010

RE:          Standard award for LPN (Licensed Practical Nurse)

As I mentioned at the Regents BA Coordinators’ meeting on Friday, I was told by the advisor of the LPN program at Garnet Career Center that the program has not changed. I was also told that students in the LPN program must complete a 13-month or 1350 hour program. This program is approximately one-third of the program required for diploma nurses. Therefore I am recommending that LPNs continue to receive 15 hours of lower level credit for their training and license.

mlb
Janice Watts
Advisor
Regents BA Degree
Fairmont State University
Fairmont, WV 26554

Dear Ms. Watts:

This is a follow up to our conversation concerning the Summary of Credit Awards for the Certified Credentials for Nurse Anesthetist and Pediatric Nurse Associate. The Nurse Anesthetist program is either an 18 month or a 24 month certificate program. I am recommending continuation of awarding 45 upper division credits for the 18 month Nurse Anesthetist Certificate program and 60 upper division credits for the 24 month Nurse Anesthetist Certificate program. Additionally, I am recommending continuation of awarding 24 upper division credits for the certified credential of Pediatric Nurse Associate.

Thank you for the opportunity to review these programs.

Sincerely,

M. Sharon Boni, PhD, RN
Dean, School of Nursing and Allied Health Administration
304-367-4767
MEMO

To: Steven L. Brown, Mountwest Community and Technical College, Dean Business, Technology & Workforce Development

From: Jean M. Chappell, Mountwest Community and Technical College, Dean Allied Health & Life Sciences

Date: October 11, 2012

RE: Equivalent College Credit for Radiologic Technology

Per discussion with professionals in the field of radiologic technology, and based on the WV Council for Community and Technical College Education Policy Series 3 (Conversion of non-credit training activities to college level credit), the current credit conversion for individuals holding a national certification as a Registered Technologist with the American Registry of Radiologic Technologists (AART) is as follows:

<table>
<thead>
<tr>
<th>Certification</th>
<th>Equivalent Credit</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>R.T., AART</td>
<td></td>
<td>50.5</td>
</tr>
</tbody>
</table>

Please let me know if there is additional information you need.
Appendix 2
TO: Dr. Mark Stotler

FROM: Judith A. Whipkey

DATE: September 30, 2015

RE: Standardized Award for Nuclear Medicine Technology, ARRT Certified

As per a review by Ms. Alicia Tucker, Program Coordinator for Nuclear Medicine Technology, it is recommended to retain the standardize award for Nuclear Medicine Technology at 5+ x-ray Tech – lower division and 30 credits upper division. It was indicated by Ms. Tucker that it will be highly unlikely to see a student present a Nuclear Medicine Technology license based on work experience and a Board of Registry examination in present day. Within the past twenty-five years, most students will have transcripted College credits in an accredited Nuclear Medicine Technology Program, prior to sitting for the registry examination.
MEMORANDUM

To: Mark Stotler
Regents B.A. Coordinators

From: Howard Kuhn; Regents Coordinator, WVIT

Date: October 16, 1992

Subject: Credit for Certified Credentials

1. Credit recommendation for Engineering:

   A. Engineer in Training (EIT)  WVIT  30 LD  0 UD  1992
   B. Professional Engineer (PE)  WVIT  0 LD  30 UD  1992

   The above recommendations were originally made in 1977. They have been reviewed by Dr. Ernest Nestor, Dean of the College of Engineering, WVIT, and by Professor Stafford Thornton, Civil Engineering, and are supported at the original levels.

2. Credit for Radiological Technologies

   A. Nuclear Medicine Technology (AART Registry): WVIT  5 LD  30 UD  1992
      + X-Ray Tech

   The above recommendation was originally made by the chair of Nursing at WVIT in 1983. The present Chair, Dr. Mary Urbanski, concurs with the original recommendation.
MEMORANDUM

TO: Dr. Howard Kuhn
Program Coordinator
Regents B.A.

FROM: L. Fischer

DATE: February 18, 1976

RE: Recommendation for Nuclear Medicine
Technology B.A. Regents

The Nuclear Medicine Technology NM (ASCP) requirements seem to put
emphasis on work experience over actual college credit. This is noted
in the following requirements for (ASCP) NM.

Baccalaureate degree in biological science, physical science or chemistry
from an accredited institution, plus two years of full time acceptable
clinical laboratory experience in radioisotopes within five years
immediately preceding date of application plus Board of Registry exami-
nation.

High school diploma, plus six years of full time acceptable clinical
laboratory experience in radioisotopes within the eight years immedi-
ately preceding date of application, plus Board of Registry examination.

Therefore, it seems feasible and acceptable to give a year of college
credit for every 18 months of work experience.

A program in Nuclear Medicine Technology being usually one year in
length or 52 weeks of 40 hours a week would result in a program of some
2000 hours.

Therefore, for Nuclear Technology it would not be unrealistic to give
60 hours in lower division credits and 30 hours credit for each 18
months of work experience on upper division level. The upper division
level credit credits could be expanded based on the type of position
hold in work experience when evaluated.

cs
Appendix 3
Date: March 22, 2017

To: Barbara Griffin
RBA Program Manager
West Virginia University

From: Charles "Brad" Holben MSHA, R.T.(R)(MR)
MRI Education Program Director
WVU Medicine

RE: Credit Award Equivalents / Considerations for Primary Pathway MRI Programs

Thank you for giving me opportunity to comment on the certifications in Magnetic Resonance Imaging, with respect to credit equivalence and current / proposed changes in our profession. I offer the following for your consideration in regards to the Primary Pathway in Magnetic Resonance Imaging:

**Primary Pathway Certification in Magnetic Resonance Imaging (MRI) - ARRT**

With the exponential growth and technological advancements in the field of Magnetic Resonance Imaging over the past several years, the need for formal didactic and clinical education in this discipline has become evident. Within the past 10 years, a few programs (including WVU Medicine’s) have been developed and have achieved initial accreditation through the Joint Review Committee on Education in Radiology Technology (JRCERT). In response, the ARRT has implemented a “primary pathway” exam in MRI. As with the other primary certifications, eligible candidates must successfully complete a Magnetic Resonance Imaging educational program that is accredited by either a USDE or CHEA recognized accreditation agency. The programs are at least 1-year in length and are based on a formal didactic and clinical curriculum published by the American Society of Radiologic Technologists (ASRT). A recommendation would be to award credit for the “primary pathway” Magnetic Resonance Imaging certification equivalent to that awarded for the primary certifications such as Radiation Therapy & Nuclear Medicine (30 Upper and 5 Lower division credits).

**Post-Primary Exam requirements - ARRT**

Post Primary certifications are designed to validate a technologist’s advanced clinical and cognitive knowledge in a particular specialty above and beyond his or her primary certification. Historically, eligibility was obtained through clinical experience, the completion of a specific number of clinical exams and self-directed study. Beginning January 1, 2016, candidates for post-primary certification are required to complete 16 hours of structured education related to the content specifications for that exam. The education must meet the same standards as CE activities in that it must be either RCEEM-approved or university-awarded. This requirement is applicable to the following ARRT post-primary certifications in Mammography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Quality Management (QM), Bone Densitometry, Cardiac-Interventional Radiography (CI), Vascular-Interventional Radiography (VI), Sonography, Vascular Sonography, or Breast Sonography. Due to the provision for allowing approved Continuing Education credits in the discipline to meet this new
standard, I believe that the inclusion of the structured education component merely validates the current credit awards for these post-primary certifications and does not necessarily lend support for an increase (or decrease) in credit equivalence.

**Supporting Links**
- American Registry of Radiologic Technologists (ARRT) [www.arrt.org](http://www.arrt.org)
- American Society of Radiologic Technologist (ASRT) [www.asrt.org](http://www.asrt.org)
- Joint Review Committee on Education in Radiologic Technology (JRCERT) [www.jrcert.org](http://www.jrcert.org)
June 7, 1990

Dr. Alan W. Jenks, Coordinator
Board of Regents Bachelor of Arts
West Virginia University
Morgantown, WV 26506

Dear Dr. Jenks,

As Medical Director of WVUH School of Diagnostic Medical Sonography, I am writing to propose awarding credit hours to those students successfully completing a 12-month program in the field of Medical Diagnostic Ultrasound.

Students enrolling in this program must first complete a 24-month program in radiologic technology. They then undergo an extensive clinical and didactic curriculum, and must obtain a grade average of 80% I suggest 35 upper division credit hours and 5 lower division credit hours as being appropriate. The schools of Radiation Therapy and Nuclear Medicine are receiving similar credit hours at West Virginia University.

Should you have any questions concerning the curriculum or program, feel free to contact me at 598-4254.

Sincerely,

Deborah A. Willard
Deborah A. Willard, MD
Interim Chairman
Department of Radiology
West Virginia University Hospitals, Inc.

NOTE: Regents' B.A. Coordinators recommended the awarding of 30 upper division credit hours and 5 lower division credit hours.

Medical Center Drive
Morgantown, WV 26506-8062
304-598-4250
Appendix 4
Radiologic Technology Education Programs
Radiography, Radiation Therapy, Nuclear Medicine, Ultrasound, & MRI

Date: March 22, 2017

To: Barbara Griffin
RBA Program Manager
West Virginia University

From: Charles "Brad" Holben MSHA, R.T.(R)(MR)
MRI Education Program Director
WVU Medicine

RE: Credit Award Equivalents / Considerations for Primary Pathway MRI Programs

Thank you for giving me opportunity to comment on the certifications in Magnetic Resonance Imaging, with respect to credit equivalence and current/proposed changes in our profession. I offer the following for your consideration in regards to the Primary Pathway in Magnetic Resonance Imaging:

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Post-Primary Exam requirements - ARRT
Post Primary certifications are designed to validate a technologist’s advanced clinical and cognitive knowledge in a particular specialty above and beyond his or her primary certification. Historically, eligibility was obtained through clinical experience, the completion of a specific number of clinical exams and self-directed study. Beginning January 1, 2016, candidates for post-primary certification are required to complete 16 hours of structured education related to the content specifications for that exam. The education must meet the same standards as CE activities in that it must be either RCEEM-approved or university-awarded. This requirement is applicable to the following ARRT post-primary certifications in Mammography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Quality Management (QM), Bone Densitometry, Cardiac-Interventional Radiography (CI), Vascular-Interventional Radiography (VI), Sonography, Vascular Sonography, or Breast Sonography. Due to the provision for allowing approved Continuing Education credits in the discipline to meet this new
standard, I believe that the inclusion of the structured education component merely validates the current credit awards for these post-primary certifications and does not necessarily lend support for an increase (or decrease) in credit equivalence.

**Supporting Links**

- American Registry of Radiologic Technologists (ARRT)
- American Society of Radiologic Technologist (ASRT)
- Joint Review Committee on Education in Radiologic Technology (JRCERT)

- www.arrt.org
- www.asrt.org
- www.jrcert.org
MEMORANDUM

TO: Regents B.A. Coordinators
FROM: Barbara R. James
RE: Mammography Certification
DATE: July 21, 1992

Attached is a recommendation from Dr. McKown, Dean of Marshall's School of Medicine, in response to my request for an evaluation of the certification in mammography. He had made the evaluation for us of the sonography (ultrasound) certification (copy also attached) in 1983. As you can see, he suggests that one half of the award for sonography and nuclear medicine would be a fair evaluation, giving the reasons for the difference. He also mentioned CT imaging and MRI imaging, though I do not know if there are certifications in those areas.

Since his recommendation for the ultrasound was 5 additional lower and 35 upper credits and we have an approved nuclear medicine award from WVIT of 5 additional lower and 30 upper credits, I would like to recommend for the mammography and the CT and MRI certifications (if needed) an award of 3 lower credits and 17 upper credits. I know that we submitted the paperwork to have his recommendation for the sonography made a part of our certified credentials, but since it is not on our list, I ask that we also make it official at the next meeting.

Call me if you have questions. . . . . .

cc: Mark Stotler
MEMORANDUM -

TO: Barbara R. James, Coordinator
Regents B.A. Degree Program

FROM: Charles H. McKown, Jr., M.D.

DATE: July 9, 1992

SUBJECT: Evaluation of Mammography Certification

Barbara, I’m sorry for taking so long to respond, but I needed to clarify some of the credentialing for certification in mammography.

Firstly, no advanced training such as physics is required, and any registered tech may sit for the certification.

Secondly, apprenticeship type training of this nature does not reflect the same level of excellence and expertise as registration in diagnostic medical sonography. The ultrasound certification is commensurate to registry certification in radiologic technology.

Therefore, I would suggest that one half of the hours granted for certification in ultrasound be used for all subspecialty certification in radiologic technology such as mammography, special procedures, CT imaging, and MRI imaging.

Again, certification in nuclear medicine, ultrasound, and radiologic technology represent a different level of professional acknowledgement, whereas mammography falls into the subspecialty areas of radiologic technology.

Please call if additional discussion is thought to be helpful.

CHM/tkf
Appendix 5
Radiologic Technology Education Programs
Radiography, Radiation Therapy, Nuclear Medicine, Ultrasound, & MRI

Date: March 22, 2017

To: Barbara Griffin
RBA Program Manager
West Virginia University

From: Charles “Brad” Holben MSHA, R.T.(R)(MR)
MRI Education Program Director
WVU Medicine

RE: Credit Award Equivalents / Considerations for Primary Pathway MRI Programs

Thank you for giving me opportunity to comment on the certifications in Magnetic Resonance Imaging, with respect to credit equivalence and current / proposed changes in our profession. I offer the following for your consideration in regards to the Primary Pathway in Magnetic Resonance Imaging:

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**Post-Primary Exam requirements - ARRT**

Post Primary certifications are designed to validate a technologist’s advanced clinical and cognitive knowledge in a particular specialty above and beyond his or her primary certification. Historically, eligibility was obtained through clinical experience, the completion of a specific number of clinical exams and self-directed study. Beginning January 1, 2016, candidates for post-primary certification are required to complete 16 hours of structured education related to the content specifications for that exam. The education must meet the same standards as CE activities in that it must be either RCEEM-approved or university-awarded. This requirement is applicable to the following ARRT post-primary certifications in Mammography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Quality Management (QM), Bone Densitometry, Cardiac-Interventional Radiography (CI), Vascular-Interventional Radiography (VI), Sonography, Vascular Sonography, or Breast Sonography. Due to the provision for allowing approved Continuing Education credits in the discipline to meet this new
standard, I believe that the inclusion of the structured education component merely validates the current credit awards for these post-primary certifications and does not necessarily lend support for an increase (or decrease) in credit equivalence.

Supporting Links
American Registry of Radiologic Technologists          ARRT          www.arrt.org
American Society of Radiologic Technologist            ASRT          www.asrt.org
Joint Review Committee on Education in Radiologic Technology  JRCERT        www.jrcert.org
MEMORANDUM

TO: RBA COORDINATORS

FROM: DAN HOLBROOK, MU RBA COORDINATOR

RE: SUGGESTED CREDIT AWARDS FOR CARDIOVASCULAR INTERVENTAL TECHNOLOGY TRAINING

DATE: APRIL 10, 1997

Dr. Charles McKown, Dean of the School of Medicine at Marshall University, who has previously evaluated the standard credit awards for training beyond Radiological Technology training, has suggested appropriate hours of credit for Cardiovascular Intervental Technology. He suggests 3 hours of lower division credit and 17 hours of upper division credit. As is the case with training in Ultrasound, Mammography, CT Imaging, and MRI Imaging, these hours should only be granted to individuals who are ARRT (X-Ray Tech) certified.
May 18, 2009

Elaine Baker, Ph.D.
Interim Director
RBA Program
Marshall University

Dear Dr. Baker:

I’m happy to respond to your inquiry and formalize our telephone exchange.

The new terminology now offered, i.e. Cardiac-Interventional Radiography and Vascular-Interventional Radiography are appropriate within inescapable referencing to the specialized physician performing the procedures, which in many cases are similar even though there is some difference in terminology. Predilections for highest volume of studies indeed do differ and consequently care and equipment expertise similarly shows differences but there is tremendous overlap as suggested by the original terminology, i.e. Cardiovascular-Interventional Technology, or Radiography.

Consequently, I think it is entirely appropriate and in the best interests of professional development in these areas that the appropriate hours of credit for both new categories remain the same, i.e. three hours of lower division credit and 17 hours of upper division credit. As previously established, these hours should be granted only to individuals who are AART certified.

Please feel free to call on me if you have additional questions, or require additional commentary.

Sincerely yours,

Charles H. McKown, Jr., M.D.
Vice President and Dean

/wlw
Elaine,

Either or, but not 20 + 20 cumulative

Thanks!

CHM

Hi Charley: when I sent out the basic information you provided for awarding credits for the Cardiac-Interventional Radiography and the Vascular-Interventional Radiography certifications, a question was raised by one of the other state coordinators basically asking: if we award 20 hours total for each certification, now, and someone came to us with both certificates, they would get 40 hours of credits when under the older cardiovascular interventional technology the person would only have received 20 hours total. The coordinators want me to ask you if this new division and certification is actually that much more involved and challenging that each (Cardiac and vascular) is worth 20 hours. How likely is it that one person would obtain both certifications? Sorry about having to bug you about this -- elaine

Elaine Baker, Ph.D.
Interim Coordinator of Regents Bachelors Degree program (RBA)
Marshall University
Huntington WV
(304)696-6400
bakere@marshall.edu
Appendix 6
August 17, 2015

Kathy Hoge Leftwich, Associate Professor  
Board of Governors A.A.S Program  
BridgeValley Community & Technical College  
619 Second Avenue  
Montgomery, WV 25136

Dear Ms. Leftwich:

Thank you for the opportunity to assist in the determination of credits awarded to therapists who hold a certificate of completion in Respiratory Therapy. I feel it is important to value previous educational experiences that may not have resulted in a degree.

Upon review of previous one-year certificate Respiratory Therapy programs, I would recommend granting applicants with the CRT credential 38 lower division credits and applicants with the RRT credential 51 lower division credits in the absence of any further formal respiratory therapy education.

I appreciate the opportunity to assist you in this process and am available for questions at your convenience.

Sincerely,

[Signature]

Donna M. Peters, MS RRT  
Respiratory Therapy Program Director  
Carver Career Center / BridgeValley Community & Technical College
Appendix 7
Date: April 25, 2005

To: Judy Whipkey

Program Director Board of Governors Associate Degree

From: Michael Wiedeman

Program Director Paramedic Technology

Subject: Review of courses for credit assignment

Per our conversations, I have review several items and their accompanying exhibits for comment on standardization of credit awards.

1) WVOEMS approved mine safety Emergency Medical Technician–Mining training program (EMT-M)

Coal miners can take a 60-hour course that meets the West Virginia State Office of Emergency Medical Services criteria for medical care provision at mining sites. The textbook used is the same as other EMT courses and I reviewed the objectives used to prepare the students to take the state certification exam. The course is very similar to the National Registry Level course but several modules, that do not apply to mine sites, are not taught. This is a class that has both didactic and psychomotor skills training included in the hours. Using the formula of 750 contact minutes for the didactic portion, I would recommend awarding 4 Lower Division Credit Hours for the course.

2) WVOEMS / National Registry approved EMS First Responder training program (EMS First Responder) the (Red Cross Emergency Response Training) the (Wilderness Advanced First Aid Training WAFA)

These courses are designed to provide training in emergency medical care for those who are apt to be the first persons responding to an emergency incident. Fire, police, civil defense personnel, school bus drivers, day-care providers, utility workers, raft guides, and industrial workers are a few examples. Students receive both didactic and psychomotor skills training in CPR, patient assessment, fracture management, airway management, and trauma management. These are 52-hour courses. Using the formula of 750 contact minutes for the didactic portion, I would recommend awarding 3 Lower Division Credit Hours for the course.
3) WVOEMS / National Registry approved Emergency Medical Technician-Basic training program revised to current standard in 1995 (EMT-B National Registry)

This course is designed to provide training to assess and manage medical/trauma emergencies in the pre-hospital setting. This is the certification course for the basic level of ambulance personnel. Students receive both didactic and psychomotor skills training in this 120-hour course. Using the formula of 750 contact minutes for the didactic portion, I would recommend awarding **5 Lower Division Credit Hours** for the course.

4) WVOEMS / National Registry approved Emergency Medical Technician training program taken before 1995 (EMT)

This course was designed to provide training to assess and manage medical/trauma emergencies in the pre-hospital setting. This was the certification course for the basic level of ambulance personnel. Following completion students were eligible to take the National Registry for EMT. Students received both didactic and psychomotor skills training in this 100-hour course. Using the formula of 750 contact minutes for the didactic portion, I would recommend awarding **4 Lower Division Credit Hours** for the course.

5) WVOEMS approved Paramedic I training program (MICP)

Completed Modules 1-6 and 15 of the DOT Paramedic curriculum.

This course was discontinued when the state OEMS did away with this certification level and went with EMT-P. After reviewing, the standard awards recommended in 1994 I could not find the justification for 4 upper division hours. Students received both didactic and psychomotor skills training in this course. Using the formula of 750 contact minutes for the didactic portion, I would recommend awarding **9 Lower Division Credit Hours** for the course.

6) WVOEMS approved Paramedic II training program (MICP upgrade or completion of all 15 modules of the DOT curriculum)

This course was discontinued when the state OEMS and nation changed the curriculum. After reviewing, the standard awards recommended in 1994 I could not find the justification for 4 upper division hours. This course did introduce the full version of studying pharmacology. Students received both didactic and psychomotor skills training in this course. Using the formula of 750 contact minutes for the didactic portion I would recommend awarding **20 Lower Division Credit Hours and 1 Upper Division Hour** for the course.

7) AHA First Aid and Healthcare CPR course, National Safety Council First Aid and Healthcare CPR course, or Red Cross First Aid and Healthcare CPR course. RESA Public Education and Center for Rural Emergency Medicine also have courses that match these objectives and standards.

These courses with combined cards are equal to over 16 hours of both didactic and psychomotor skills training. Using the formula of 750 contact minutes for the didactic portion, I would recommend awarding **1 Lower Division Credit Hour** for this combined course.
Summary:

WVOEMS Emergency Medical Technician–Mining training program (EMT-M)  
**Credit Recommendation:** In lower division associate /baccalaureate degree category 4 semester hour in Allied Health

WVOEMS / National Registry EMS First Responder (EMS First Responder)  
**Credit Recommendation:** In lower division associate /baccalaureate degree category 3 semester hour in Allied Health

WVOEMS / National Registry Emergency Medical Technician–Basic after 1995 (EMT-B)  
**Credit Recommendation:** In lower division associate /baccalaureate degree category 5 semester hour in Allied Health

WVOEMS / National Registry Emergency Medical Technician before 1995 (EMT)  
**Credit Recommendation:** In lower division associate /baccalaureate degree category 4 semester hour in Allied Health

WVOEMS Paramedic I (MICP)  
Completed Modules 1-6 and 15 of the DOT Paramedic curriculum  
**Credit Recommendation:** In lower division associate /baccalaureate degree category 9 semester hour in Allied Health

WVOEMS Paramedic II (MICP upgrade or completion of all 15 modules of the DOT curriculum)  
**Credit Recommendation:** In lower division associate /baccalaureate degree category 20 semester hour in Allied Health and 1 semester hour in upper division ______

First Aid and Healthcare CPR course: National Safety Council, Red Cross, American Heart Association, RESA Public Education and Center for Rural Emergency Medicine First Aid and Healthcare CPR course.  
**Credit Recommendation:** In lower division associate /baccalaureate degree category 1 semester hour in Allied Health

Building on a Century of Excellence in Higher Education and Public Service
MEMO

TO: Dr. David Wilkin  
   Dean, Community College

FROM: B. R. Smith

SUBJ: Standardized College Equivalence Credit for EMT training

At the suggestion of Mark King and in keeping with the Community College Training program, we are instituting standardized acceptance of unexpired EMT certification as follows:

**West Virginia Department of Health**

- Red Cross Advanced First Aid or DOT First Responder Course  
  40-50 Contact Hours = 3 Credit Hours

- DOT EMT Course  
  80-100 Contact Hours = 5 Credit Hours

- DOT Modules 1-6 and 15 (Mobile Intensive Care Paramedic) = 15 Credit Hours

**National Registry of Emergency Medical Technicians**

- DOT Emergency Medical Technician Course  
  80-100 Contact Hours = 5 Credit Hours

- DOT 15 Module Paramedic Training Course  
  500-600 Contact Hours = 25 Credit Hours

bj

cc: Mark King
The certification card to the left is evidence of completion of a D.O.T. 15 Module Paramedic Training Course which is roughly 500-600 hours in length and is a nationally standardized training course that we utilize at Marshall University Community College as the basis for the following courses:

1. EME 122 Paramedic I 5 hrs
2. EME 124 Paramedic II 5 hrs
3. EME 231 Paramedic III 5 hrs
4. EME 233 Paramedic IV 5 hrs

*Note - this card is also acceptable for receiving credit for the EMT Course which an individual must have to get into the above courses. The EMT Course that they should get credit for is listed below:

1. EME 109 Emergency Care and Transportation of the Sick and Injured 5 hrs
WEST VIRGINIA
DEPARTMENT OF HEALTH
EMERGENCY MEDICAL SERVICES
EMERGENCY MEDICAL TECHNICIAN

Mark E. King

This is to certify that the person named hereon satisfactorily completed an advanced course in Emergency Transportation and Immediate Care for the Sick and Injured.

FRONT OF CARD

BACK OF CARD

EMT NUMBER
3-001183

<table>
<thead>
<tr>
<th>Issued</th>
<th>Expires</th>
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<td>1/13/81</td>
<td>12/31/82</td>
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</table>

<table>
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<th>Height</th>
<th>Weight</th>
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</thead>
<tbody>
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<td>6'0&quot;</td>
<td>250</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Eyes</th>
<th>Hair</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue</td>
<td>Brown</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Sex</th>
<th>Birthdate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Male</td>
<td>1/2/53</td>
</tr>
</tbody>
</table>

Signature

The certification card to the left is evidence of successful completion of a D.O.T. Emergency Medical Technician Course which is 80-100 hours in length and is a nationally standardized course. As such, this card should suffice for credit for the following course:

1. EME 109 Emergency Care and Transportation of the Sick and Injured 5 hrs
The certification card shown to the left is evidence of completion of a Red Cross Advance First Aid Course or a D.O.T. First Responder Course both of which are about 45-50 hours in length. As such this card should suffice for credit for the following course:

1. EME 105 First Responder  3 hrs
The certification card shown to the left is evidence of completion of D.O.T. Modules 1 through 6 and 15 which is the national standard training curriculum which we utilize at Marshall University Community College as the organizational units for the following courses:

1. EME 122 Paramedic I 5 hrs
2. EME 124 Paramedic II 5 hrs

*Note- to be accepted in the courses above and to have successfully completed the courses to receive the card to the left an individual will have already completed a standard EMT course and should therefore receive credit for the following course also:

1. EME 109 Emergency Care and Transportation of the Sick and Injured 5 hrs
The certification card to the left is evidence of completion of a D.O.T. Emergency Medical Technician Course which is 80-100 hours in length and is a nationally standardized training course that should suffice for credit for the following Marshall University Community College course:

1. EME 109 Emergency Care and Transportation of the Sick and Injured 5 hrs
MEMO

To: Steven L. Brown, Mountwest Community and Technical College,
Dean Business, Technology & Workforce Development

From: Jean M. Chappell, Mountwest Community and Technical College,
Dean Allied Health & Life Sciences

Date: October 11, 2012

RE: Equivalent College Credit for EMT-B

Per discussion with professionals in the field of paramedic science, and based on the WV Council for Community and Technical College Education Policy Series 3 (Conversion of non-credit training activities to college level credit), the current credit conversion for EMT-B WV certification is as follows:

<table>
<thead>
<tr>
<th>Certification</th>
<th>Equivalent Credit</th>
<th>Credit Hrs</th>
</tr>
</thead>
<tbody>
<tr>
<td>EMT-B Registry certification</td>
<td></td>
<td>7</td>
</tr>
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</table>

Please let me know if there is additional information you need.
### 2003

<table>
<thead>
<tr>
<th>Unit #</th>
<th>Descriptive Title</th>
<th># of weeks</th>
<th># of lecture &amp; scope hours</th>
<th># of college credits assigned</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Introduction to Cytology</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>1</td>
</tr>
<tr>
<td>II</td>
<td>Introduction of Epithelium and Other Tissues</td>
<td>2</td>
<td>7 x 15 = 105 hrs</td>
<td>3</td>
</tr>
<tr>
<td>III</td>
<td>Introduction to the Female Genital Tract</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>2</td>
</tr>
<tr>
<td>IV</td>
<td>Female Genital Tract - Benign</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>2</td>
</tr>
<tr>
<td>V</td>
<td>Histology and Cytology of Premalignant and Malignant Lesions of the Cervix</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>2</td>
</tr>
<tr>
<td>VI</td>
<td>Disease of the Uterine Corpus and Adnexae</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>2</td>
</tr>
<tr>
<td>VII</td>
<td>Diseases of the Vulva and Vagina</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>2</td>
</tr>
<tr>
<td>VIII</td>
<td>Oral Cavity Cytology</td>
<td>1</td>
<td>7 x 5 = 35 hrs</td>
<td>1</td>
</tr>
<tr>
<td>IX</td>
<td>Respiratory Tract Cytology</td>
<td>3</td>
<td>7 x 15 = 105 hrs</td>
<td>3</td>
</tr>
<tr>
<td>X</td>
<td>Breast Cytology</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>2</td>
</tr>
<tr>
<td>XI</td>
<td>Gastrointestinal Tract Cytology</td>
<td>3</td>
<td>7 x 15 = 105 hrs</td>
<td>3</td>
</tr>
<tr>
<td>XII</td>
<td>Body Cavity (Effusions) Cytology</td>
<td>3</td>
<td>7 x 15 = 105 hrs</td>
<td>3</td>
</tr>
<tr>
<td>XIII</td>
<td>Cerebrospinal Fluid and Miscellaneous</td>
<td>2</td>
<td>7 x 10 = 70 hrs</td>
<td>2</td>
</tr>
<tr>
<td>XIV</td>
<td>Urinary Tract Cytology</td>
<td>3</td>
<td>7 x 15 = 105 hrs</td>
<td>3</td>
</tr>
<tr>
<td>XV</td>
<td>Aspiration Biopsy Cytology</td>
<td>5</td>
<td>7 x 25 = 175 hrs</td>
<td>4</td>
</tr>
<tr>
<td>XVI</td>
<td>Research</td>
<td>1</td>
<td>7 x 5 = 35 hrs</td>
<td>1</td>
</tr>
<tr>
<td><strong>Totals</strong></td>
<td></td>
<td>38 weeks</td>
<td></td>
<td>36</td>
</tr>
</tbody>
</table>

### 1985

<table>
<thead>
<tr>
<th>UT Number</th>
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<th>No. of weeks</th>
<th>No. of lecture hours per week</th>
<th>No. of college credits assigned</th>
</tr>
</thead>
<tbody>
<tr>
<td>I</td>
<td>Introduction to Cytology</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>II</td>
<td>Introduction to the Female Genital Tract</td>
<td>2</td>
<td>10</td>
<td>2</td>
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<td>III</td>
<td>Female Genital Tract - Benign</td>
<td>2</td>
<td>10</td>
<td>2</td>
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<tr>
<td>IV</td>
<td>Histology and Cytology of Premalignant and Malignant Lesions of the Cervix</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>V</td>
<td>Diseases of the Uterus Corpus and Adnexae</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>VI</td>
<td>Diseases of the Vulva and Vagina</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>VII</td>
<td>Cellular Reactions to Therapy</td>
<td>1</td>
<td>10</td>
<td>1</td>
</tr>
<tr>
<td>VIII</td>
<td>Oral Cavity</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>IX</td>
<td>Respiratory Tract</td>
<td>3</td>
<td>10</td>
<td>3</td>
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<tr>
<td>X</td>
<td>Breast</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>XI</td>
<td>Gastrointestinal Tract</td>
<td>3</td>
<td>10</td>
<td>3</td>
</tr>
<tr>
<td>XII</td>
<td>Urinary Tract</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>XIII</td>
<td>Body Cavity Fluids (Effusions)</td>
<td>3</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>XIV</td>
<td>Cerebrospinal Fluid and Miscellaneous Fluids</td>
<td>2</td>
<td>10</td>
<td>2</td>
</tr>
<tr>
<td>XV</td>
<td>Aspiration Biopsy Cytology</td>
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<td>10</td>
<td>3</td>
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<tr>
<td>XVI</td>
<td>Cytogenetics</td>
<td>2</td>
<td>10 (15)*</td>
<td>2</td>
</tr>
</tbody>
</table>

**Totals**: 36

*Daily screening is continuous even though a particular unit may not directly involve the interpretation of Cytologic materials (i.e., Cytoreperatory techniques. Cytogenetics is a combination of instruction, self-study, and hands-on experience. In karyotyping, etc. Twenty hours of seminar time is awarded for the preparation of this unit.*
Field Experience in Preschool Special Education. 3 hrs.
Supervised participation and directed teaching activities in a preschool special education program.

CYTOTECHNOLOGY (CYT)

(Prerequisite: Admission is subject to approval by the Admissions Committee of a School of Cytotherapy.)

Cytological Methodology. 3 hrs. S.
Routine methods in cytology (specimen processing, staining, record keeping). Special methods (filtration, concentrations). Clinical microscopy (routine and special methods: light, phase, dark field).

Elementary Cytology. 3 hrs. S.
Fundamentals of cell structure, embryology, microbiology, and mycology as related to cytopathology: characteristics of benign and malignant cells.

Genital Cytology. 6 hrs. I.
Cytology of the female genital tract in health and disease. The study of cells in normal, benign, and malignant stages of development.

Cytology of the Respiratory Tract. 3 hrs. I.
Cytology of the respiratory epithelium in health and disease. Study of the cell in normal conditions, in benign and malignant pathological conditions.

Cytology of the Body Cavities. 3 hrs. II.
Cytology of the pericardial, pleural, and abdominal cavities. Study of primary and metastatic tumors.

Cytology of the Urinary Tract. 3 hrs. I.
Cell changes resulting from benign diseases and malignant tumors of the urinary tract.

Cytology of the Breast. 3 hrs. II.
Cell changes resulting from benign diseases and malignant tumors of the breast.

Cytology of the Gastro-Intestinal Tract. 3 hrs. II.
Cytology of the alimentary tract in health and disease.

Research in Cytotherapy. 1 hr. I.
Directed independent cytopathologic research in the hospital setting. Capstone experience.

Advanced Methods in Cytotherapy. 4 hrs. II.
Methods and procedures of tissue culture, chromosome analysis, and microphotography. Study of chromosome anomalies including Turner’s, Down’s, and Klinefelter’s Syndrome. Study of pure mosaic anomalies.

DANCE (DAN)

101 Introduction to Dance. 3 hrs.
Introduction to dance forms, principles of dance techniques, and role of dance in society.

205 Dance for the Musical Theatre. 3 hrs.
Introduction to various dance forms and styles necessary for musical theatre. Training in rhythm and coordination with emphasis on elementary techniques and routines.

210 Tap Dance. 2 hrs.
Technique, styles, and rhythmic structures of tap dance for the theatre. Emphasis on steps, movement, and routines. Course may be repeated for total of four hours credit. 2 lec. 2 lab.

230 Ballet Technique. 2 hrs.
Classical ballet technique, exercise, routine, and drill for the dancer. Course may be repeated for a total of eight hours credit. 2 lec. 2 lab.

270 Dance Practicum. 1 hr.
Opportunity to study and perform concert dance. (PR: Permission of instructor; may be repeated for a total of 4 hours credit)

280-283 Special Topics in Dance. 1-4; 1-4; 1-4 hrs.
Program of study not normally covered in other courses. Topics vary from semester to semester. (PR: Permission of department chairman)

301 Dance for Athletes. 3 hrs.
A course in Ballet and Modern Dance designed specifically for the student athlete involved in intercollegiate competition.

316 Modern Jazz Dance. 2 hrs.
Techniques, styles, and rhythmic structures of modern jazz dance. Emphasis on increasing personal expression and dance movement repertoire. Course may be repeated for total of six hours credit. 2 lec. 2 lab.

320 Modern Dance Technique. 2 hrs.
Principles, movement, and performance techniques in modern dance. Course may be repeated for total of four hours credit. 2 lec. 2 lab

386 Courses of Instruction

Marshall University
MEMORANDUM

DATE: September 30, 1985

TO: Dr. David R. Powers
Vice Chancellor for Academic Affairs

FROM: John F. Thralls, Director
Student and Educational Services

SUBJECT: Recommendation to Approve Additional Standard Credit Agreements

Standard Credit Agreements are guidelines which may be used by institutions when awarding credits to students for work and life experience in certain fields under the Regents Bachelor of Arts Program. These agreements, which indicate the number of credits to be awarded, are recommended by various institutions and agreed upon by the Regents BA Coordinators.

At their fall meeting, the Regents B.A. Coordinators voted to request that the following standard credit agreements be presented for approval at the October 21, 1985 meeting of the Academic Affairs Advisory Committee.

(1) Journeymen Air Traffic Controllers: accept a block of 60 semester hours (30 upper division hours and 30 lower division hours) as implemented since 1976 at Shepherd College (attachment #1).

(2) Cytotechnology: accept a block of 30 upper division credits as detailed in "Establishing Credit Values for a Cytotechnology Curriculum," Shirley E. Greening, MS, CFIAC, American Society of Cytology Programs Faculty Seminar, Atlanta, Georgia November 5, 1984 (attachment #2).

JFT:ss

Enclosures
May 21, 1985

Ms. Shirley E. Greening, MS, CFIA
Assistant Professor and Acting Chairman
Department of Cytotechnology
College of Allied Health Sciences
Thomas Jefferson University
Philadelphia, PA 19107

Dear Ms. Greening:

Thank you for your letter of May 12, 1985 in which you provided information on one-year and two-year Cytotechnology programs that grant baccalaureate degrees. I will certainly distribute this information to the other Regents BA degree coordinators at the several colleges and universities in the state. I also deeply appreciate your comments and your concurring recommendation on the program at the Charleston Area Medical Center. All of this will be helpful to us in making a decision on a credit hour recommendation for graduates of professional schools of cytotechnology. Thank you again.

Sincerely yours,

Harry V. Scott, Ed. D.
Director

cc: Ms. Robin Lusk
Charleston Area Medical Center

Mr. John Thralls
West Virginia Board of Regents

Dear John,

I would appreciate it if you would have copies of this two-page letter circulated to the Regents BA coordinators. Thank you.

Sincerely yours,

Harry
May 12, 1985

Harry V. Scott, Ph.D.
Box 186
West Virginia State College
Institute, WV 25112

Dear Doctor Scott:

Ms. Robin Lusk from the Charleston Area Medical Center (CAMC) School of Cytotechnology in Charleston, West Virginia, has asked that I contact you regarding that school's petition to your State Board of Regents. Ms. Lusk's program is requesting approval from the Board of Regents to grant 36 semester credits toward a Baccalaureate degree in Cytotechnology.

I have reviewed the materials for the Cytotechnology curriculum at C.A.M.C. (which were sent to me by Ms. Lusk) and feel that 35 total credit hours adequately covers and represents the scope of material within her one year curriculum. Assigning 36 credit hours to this program is certainly reasonable as compared to other Cytotechnology programs throughout this country. In reviewing semester credit hours granted from Cytotechnology Schools with one year programs, the range is from 27-48 hours. The average is 35.5 semester credits. These figures represent only specific Cytotechnology courses within curricula and do not include related required courses included in some of the curricula (for example: Pathology, Cytogenetics, Histology, Management). I've listed the credit hour breakdown below for your information.

I believe Ms. Lusk's request that the State Board of Regents grant 36 hours for her program is valid and realistic. Because of the importance of and need for Bachelor's degree options in Cytotechnology, I hope this information will allow a favorable decision by your fellow Board members.
<table>
<thead>
<tr>
<th>One-year Cytotechnology Programs granting Baccalaureate degrees</th>
<th>Cytotechnology-specific course credits</th>
<th>Total credits awarded for Cytotechnology curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program # 1</td>
<td>43</td>
<td>45</td>
</tr>
<tr>
<td># 2</td>
<td>32</td>
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<td># 4</td>
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<td># 5</td>
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<td>#17</td>
<td>30</td>
<td>30</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Two-year Cytotechnology Programs granting B.S. degrees</th>
<th>Cytotechnology-specific courses</th>
<th>Total credits awarded for Cytotechnology curriculum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Program # 1</td>
<td>51</td>
<td>78</td>
</tr>
<tr>
<td># 2</td>
<td>38</td>
<td>69</td>
</tr>
<tr>
<td># 3</td>
<td>39</td>
<td>62-69</td>
</tr>
<tr>
<td># 4</td>
<td>47</td>
<td>70</td>
</tr>
</tbody>
</table>

(There are 30 B.S. degree programs in Cytotechnology in the U.S. Not included in this listing are 3 programs which award quarter hour credits and 6 programs for which semester hour totals were not available.)

Sincerely,

Shirley E. Greeing, M.D., CFIAC
Assistant Professor and
Acting Chairman
Department of Cytotechnology

SEG/ases
cc: Robin Lusk
Cytology Instructor
C.A.M.C.
This method of computing credits for the CAMC School of Cytotechnology was taken from Shirley E. Greening, MS, CFIAC, Department of Cytotechnology, College of Allied Health Sciences, Thomas Jefferson University, from her paper entitled Establishing Credit Values for a Cytotechnology Curriculum, presented at the American Society of Cytology Programs Faculty Seminar, on Nov. 5, 1984, in Atlanta, Georgia. Ms. Greening is a recognized authority on the subject of Cytotechnology training programs and is an official in the American Society of Cytology, which is the national governing body for Cytotechnology programs.

**AVERAGE WORK YEAR**

\[ 5 \text{ Days} \times 52 \text{ Weeks} = 260 \text{ Days} \]

-8 Days For Holidays
-6 Days For Sick Days
-10 Days For Vacation

Total 236 Days Per Year
\[ \times 8 \text{ Hours Per Work Day} \]

= 1888 Work Hours Per Year

\[ \frac{1888 \text{ Work Hours Per Year}}{52 \text{ Weeks Per Year}} = 36 \text{ Credit Hours} \]

Ms. Greening’s formula shows a total of 1575 Work Hours Per Year; divided by 52 Weeks Per Year equals 30 credit hours (which is how much credit is awarded by her model as illustrated on the eighth page of Ms. Greening’s document). The essential difference between her numbers and ours is in the fact that her model allows 4 more sick days and 7 more holidays than our program and students would spend 7 hours per day where ours spend 8 hours per day. Therefore, we should be able to award 6 more credit hours than her model.

These calculations were done by Robin Lusk, BA, CT (ASCP), Cytology Instructor, CAMC School of Cytotechnology.
Appendix 9
July 31, 1997

Dr. Ann L. Paterson, Director
Regents B.A. Program
207 Student Services Center
P.O. Box 6287
Morgantown, WV 26506-6287

Dear Dr. Paterson:

Thank you for this opportunity to present the following material in support of higher education for ophthalmic medical personnel. Hopefully, this will aid you in granting educational recognition for this group of individuals.

In ophthalmology, physicians use personnel in a different manner than in the rest of medicine. We realize that "physician extenders" allow us to provide care to a larger population of patients than we would deliver without them. Since 1969, we have been involved in establishing standards for these personnel in relation to the level of certification they attain.

As you may know, there are three separate levels of national certification in the field - Certified Ophthalmic Assistant (COA), Certified Ophthalmic Technician (COT) and Certified Ophthalmic Medical Technologist (COMT). Each of these levels carries certain requirements for skills and/or knowledge in diagnostic testing procedures - the higher the certification, the more stringent the requirements. Certification is granted through the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO), the national certifying agency. Guidelines for each level are clearly defined and were arrived at with input from ophthalmologists, orthoptists, and other health care professionals.


JCAHPO is certified by the National Organization of Competency Assurance and National Commission for Certifying Agencies. Certification issued by JCAHPO is nationally recognized.
as well as having full recognition in Canada. Certificants are eligible for employment in both the US and Canada. At present there are 13,558 certified personnel in the US and Canada broken down in the following categories: COA 8,602; COT 4,331; and COMT 625. The overall passing rate for certification testing is approximately 74.5% - figures for individual passing percentages by level are not publicly available.

Certification at the Assistant level (the entry level) requires sponsorship by a practicing ophthalmologist, successful completion of a home study course developed by the American Academy of Ophthalmology (AAO), one (1) year of full time ophthalmic work experience, endorsement by the sponsoring ophthalmologist that the certificant has fulfilled all criteria and a passing grade on the certifying examination. Personnel at this level are required to have developed basic skills and knowledge in six categories; medical history taking, basic skills and lensometry, basic general medical knowledge, patient services, basic tonometry, and basic ophthalmic instrument maintenance. In mastering these six skills areas, the assistant must have knowledge of medical terminology, basic knowledge of anatomy and physiology including CPR, excellent interpersonal relationship skills, medical ethics knowledge, in addition to the basic ophthalmic skills listed in the JCAHPO position description.

In my assessment, this position would likely be equivalent to 8 - 10 hours of low level college credit hours. This is based on the level of training and knowledge they acquire while gaining their certification, both in terms of didactic lecture, home study and clinical exposure to patients.

Certification at the Technician level is considerably more extensive in terms of knowledge level, clinical expectations and time and effort required of these individuals. In addition to the above criteria (for the certified assistant), these individuals must complete an additional year under the full time guidance of the sponsoring ophthalmologist, complete a minimum of 18 hours of continuing education hours (accredited by JCAHPO) and master skills in seven additional areas. These additional areas are: clinical optics, basic ocular motility, visual fields testing, contact lenses, intermediate tonometry, ocular pharmacology and ocular photography. These skills require knowledge in basic physics (optics, ultrasonography and contact lenses), chemistry (ocular pharmacology), neuro anatomy and physiology, more extensive general anatomy and physiology (pharmacology and visual fields), interpersonal skills with a larger variety of patients and other health care professionals, ocular disease processes (intermediate tonometry and ocular motility), basic childhood developmental abnormalities (ocular motility), and basics of photography, imaging and film developing. Most of these areas of knowledge and skills require extensive home study and clinical exposure. Following endorsement by the sponsoring ophthalmologist, the candidate must successfully complete the written examination and demonstrate clinical skills in a practical examination. Practical examinations are conducted under the supervision of a board-certified ophthalmologist and senior certified ophthalmic medical personnel (COT or COMT) in various, certified locations throughout the country. This group of personnel form the core of clinical workers in most practices - they are the “engine” of the practice and allow physicians to see increased numbers of patients because of their wide variety of skills and knowledge.

Based on this information, I would think that there are an additional 30 hours of higher credit (in
addition to the 10 for the COA certification) awarded for completion of this level of certification. Many of these programs are now sponsored by a community college and associate degrees (AAS) are awarded to those candidates completing the course work. Our own program, in affiliation with Fairmont State College, will award 44 hours of credit toward this type of degree.

Finally, certification at the Technologist level (COMT) requires much more extensive exposure than that of the other two levels. For individuals who did not attend a formal course of study (either at the B.S. or certificate level) total time in the profession must exceed five years. Again, there must be a sponsoring ophthalmologist and specific skills/knowledge areas must be completed and endorsed. In addition to the above requirements for both the assistant and technician, the technologist must master the following: microbiology, advanced glaucoma and tonometry, advanced visual fields, advanced color vision testing, advanced clinical optics, advanced ocular motility, advanced photography, advanced pharmacology, special instruments and techniques and advanced general medical knowledge. There are also requirements for supervisory principles and management skills, more systemic anatomy, physiology and pathophysiology involved. These individuals are generally clinical leaders, reference people and supervisors for junior technical personnel and any resident physicians in training. Many of the current COMT’s are being trained in formal programs now; most of these are at the certificate level, but here is a move toward making these into baccalaureate level programs (LSU and Vanderbilt both have this type program).

I recommend an additional 15 credits hours (high level) be awarded (in addition to the 40 hours for the two lower level certifications) to the COMT.

I am enclosing the Criteria for Certification/Re-certification booklets for each level of certification to you. Also, copies of the certification cards and certificates are enclosed.

I am grateful to you for allowing me input into this very exciting program and hope that this will serve as a guideline for the awards of college credit hours. There are several certified persons in the state who would benefit from this. If I can be of further assistance in this matter or if there are any questions regarding this information, please feel free to contact me.

Sincerely,

John V. Linberg, M.D., Professor and Chairman
Department of Ophthalmology
West Virginia University, School of Medicine
The Joint Commission on Allied Health Personnel

in Ophthalmology

INCORPORATED 1969

Kimberly Ann Thornburg

having fulfilled the requirements of academic and clinical training, subscribed to the Agreement of Certification and Recertification for Ophthalmic Medical Personnel and successfully passed the examinations conducted under the authority of this Commission is a

Certified Ophthalmic Technician

This certificate is the property of ICAHPO and shall be surrendered upon request.

This certificate is valid only for the years designated.

Initial ICAHPO certification granted in 1989
ID #24450
The Joint Commission on Allied Health Personnel

in Ophthalmology

INCORPORATED 1969

Dale W. Williams

having fulfilled the requirements of academic and clinical training, subscribed to the Agreement of Certification and Recertification for Ophthalmic Medical Personnel and successfully passed the examinations conducted under the authority of this Commission is a

Certified Ophthalmic Medical Technologist

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JOINT COMMISSION ON ALLIED HEALTH PERSONNEL
IN OPHTHALMOLOGY
2025 Woodlane Drive • St. Paul, Minnesota 55125-2995
PHONE (612) 731-2944 • 800) 264-9337 • FAX (612) 731-0410

CERTIFICATION I.D.

NAME
Kimberly Ann Thornburg

CERTIFICATION LEVEL
Certified Ophthalmic Technician

CERTIFICATION I.D.
24450

EXPIRATION DATE
December 31, 1998
JOINT COMMISSION ON ALLIED HEALTH PERSONNEL
IN OPHTHALMOLOGY®
2025 Woodlawn Drive • St. Paul, Minnesota 55125-2995
PHONE (612) 731-2944 • (800) 254-3937 • FAX (612) 731-6410

CERTIFICATION I.D.

NAME
Dale W. Williams

I.D. # 23174

CERTIFICATION LEVEL
Certified Ophthalmic Medical Technologist

EXPIRATION DATE
December 31, 1999
October 1, 2010

TO: Mark Stotler
Assistant Director of Academic Affairs
Higher Education Policy Commission

FROM: Carol Hando
Coordinator

SUBJ: Standardized Award for Certified Ophthalmic Technician and Certified Ophthalmic Medical Technologist

Attached is a memo from Judie Charlton, MD. Chairman, Ophthalmology Department at West Virginia University Eye Institute, recommending continuation of the above-mentioned standardized awards.

This memo is the same as 1998 and no changes were recommended.
Thank you for this opportunity to present the following material in support of higher education for ophthalmic medical personnel. Hopefully, this will aid you in granting educational recognition for this group of individuals.

In ophthalmology, physicians use personnel in a different manner than in the rest of medicine. We realize that “physician extenders” allow us to provide care to a larger population of patients than we would deliver without them. Since 1959, we have been involved in establishing standards for these personnel in relation to the level of certification they attain.

As you may know, there are three separate levels of national certification in the field - Certified Ophthalmic Assistant (COA), Certified Ophthalmic Technician (COT) and Certified Ophthalmic Medical Technologist (COMT). Each of these levels carries certain requirements for skills and/or knowledge in diagnostic testing procedures - the higher the certification, the more stringent the requirements. Certification is granted through the Joint Commission on Allied Health Personnel in Ophthalmology (JCAHPO), the national certifying agency. Guidelines for each level are clearly defined and were arrived at with input from ophthalmologists, orthoptists, and other health care professionals.


JCAHPO is certified by the National Organization of Competency Assurance and National Commission for Certifying Agencies. Certification issued by JCAHPO is nationally recognized as well as having full recognition in Canada. Certificants are eligible for employment in both the US and Canada. At present there are over 17,000 certified personnel in the US and Canada broken down in the following categories: (approximately) COA 10,000; COT 6,200; and COMT 800. The overall passing rate for certification testing is approximately 74.5%. Figures for individual passing percentages by level are not publicly available.

Certification at the Assistant level (the entry level) requires sponsorship by a practicing ophthalmologist, successful completion of a home study course developed by the American Academy of Ophthalmology (AAO), one (1) year of full time ophthalmic work experience, endorsement by the sponsoring ophthalmologist that the candidate has fulfilled all criteria and a passing grade on the certifying examination. Personnel at this level are required to have developed basic skills and knowledge in five categories: medical history taking, basic skills and lensometry, basic general medical knowledge, patient services, basic tonometry, and basic ophthalmic instrument maintenance. In mastering these six skills areas, the assistant must have knowledge of medical terminology, basic knowledge of anatomy and physiology including CPR, excellent interpersonal relationship skills, and medical ethics knowledge, in addition to the basic ophthalmic skills listed in the JCAHPO position description.
In my assessment, this position would likely be equivalent to 8 - 10 hours of low level college credit hours. This is based on the level of training and knowledge they acquire while gaining their certification, both in terms of didactic lecture, home study and clinical exposure to patients.

Certification at the Technician level is considerably more extensive in terms of knowledge level, clinical expectations and time and effort required of these individuals, in addition to the above criteria (for the certified assistant), these individuals must complete an additional year under the full time guidance of the sponsoring ophthalmologist, complete a minimum of 18 hours of continuing education hours (accredited by JCAHPO) and master skills in seven additional areas. These additional areas are: clinical optics, basic ocular motility, visual fields testing, contact lenses, intermediate tonometry, ocular pharmacology and ocular photography. These skills require knowledge in basic physics (optics, ultrasonography and contact lenses), chemistry (ocular pharmacology), neuro anatomy and physiology, more extensive general anatomy and physiology (pharmacology and visual fields), interpersonal skills with a larger variety of patients and other health care professionals, ocular disease processes (intermediate tonometry and ocular motility), basic childhood developmental abnormalities (ocular motility), and basics of photography, imaging and film developing. Most of these areas of knowledge and skills require extensive home study and clinical exposure. Following endorsement by the sponsoring ophthalmologist, the candidate must successfully complete the written examination and demonstrate clinical skills in a computer based examination.

Based on this information, I would think that there is an additional 30 hours of higher credit (in addition to the 10 for the COA certification) awarded for completion of this level of certification. Many of these programs are now sponsored by a community college and associates degrees (AAS) are awarded to those candidates completing the course work.

Finally, certification at the Technologist level (COMT) requires much more extensive exposure than that of the other two levels. For individuals who did not attend a formal course of study (either at the B.S. or certificate level) total time in the profession must exceed five years. Again, there must be a sponsoring ophthalmologist and specific skills/knowledge areas must be completed and endorsed. In addition to the above requirements for both the assistant and technician, the technologist must master the following: microbiology, advanced glaucoma and tonometry, advanced visual fields, advanced color vision testing, advanced clinical optics, advanced ocular motility, advanced photography, advanced pharmacology, special instruments and techniques and advanced general medical knowledge. There are also requirements for supervisory principles and management skills, more systemic anatomy, physiology and pathophysiology involved. These individuals are generally clinical leaders, reference people and supervisors for junior technical personnel and any resident physicians in training. Many of the current COMT's are being trained in formal programs now; most of these are at the certificate level, but here is a move toward making these into baccalaureate level programs (LSU and Vanderbilt both have this type program).

I recommend an additional 15 credits hours (high level) be awarded (in addition to the 40 hours for the two lower level certifications) to the COMT.

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I am grateful to you for allowing me input into this very exciting program and hope that this will serve as a guideline for the awards of college credit hours. There are several certified persons in the state who would benefit from this.

If I can be of further assistance in this matter, or if there are any questions regarding this information, please feel free to contact me.

Sincerely,

Judith Charlton, M.D.
Chairman, Ophthalmology
Appendix 10
REGENTS BACHELOR OF ARTS DEGREE PROGRAM
at
FAIRMONT STATE COLLEGE

COLLEGE-EQUIVALENT CREDIT FOR FAA PERSONNEL

Employees of the Federal Aviation Administration enrolled in the Regents Bachelor of Arts Degree Program at Fairmont State College may receive college-equivalent credit for FAA training in the three categories listed below. This does not preclude the possibility of an assessment for additional college-equivalent credit for other prior learning activities of applicants. It does standardize the credit to be awarded for the learning activities listed.

I. The FAA Academy, Oklahoma City. Graduates of the FAA Academy will be awarded 60 hours of unspecified technology credit. Forty hours will be at the lower level and twenty hours at the upper level. Applicants must request that a transcript be sent by the registrar unit of the FAA Academy to the Coordinator, Regents B.A. Degree Program, at Fairmont State College.

II. Credit for FAA Navigational Aides courses will be awarded as listed below. Standard credit equivalency for radar and communications courses are being developed in New York and will be added when they become available. Official verification of records should be obtained from the Sector Manager of the Eastern Region facility in which the student is employed.

A. Advanced ILS/VOR Principles (40204), 4 hours, lower level
B. AN/GRN - 27 (Category II ILS) (40232), 3 hours, lower level
C. Digital Logic Principles (40402), 2 hours, lower level
D. Doppler VOR System (40207), 2 hours, lower level
E. Electronic Fundamentals and Engineering Mathematics (44504), 8 hours, lower level
F. Foundation Mathematics (44502), 3 hours, lower level
G. ILS (AIL Mark 1b) (40235), 3 hours, lower level
H. ILS Capture Effect Glide Slope (40240) and ILS Problem Analysis (40246), 3 hours, upper level
I. ILS Concepts (40233), 2 hours, lower level
J. ILS (Tube Type) (40234), 3 hours, lower level
K. ILS (Wilcox Mark 1a) (40235), 3 hours, lower level
L. Rho-Theta Monitor Equipment, RTC-2 (40238), 3 hours, upper level
M. Rho-Theta Monitor Equipment, RTC-3 (40221), 4 hours, upper level
N. Rho-Theta Navigation Equipment, GRN-9 (40239), 2 hours, upper level
   or Rho-Theta Navigation Equipment, GRN-9 (44207), 2 hours
   Rho-Theta Navigation Equipment, GRN-9 (43700), upper level
O. Rho-Theta Navigation Equipment, RTB-3 (40237), 2 hours, upper level
P. Rho-Theta (TACAN) Principles (40200), 7 hours, upper level
Q. Runway Visual Range Equipment, Type FA-7881 (40213), 3 hours, lower level
R. Solid State Devices (44712) and Solid State Devices (44509), 3 hours,
   lower level
S. VHF Omirange Equipment (VOR) (40205), 4 hours, lower level

III. The FAA Management Training School, Lawton, Oklahoma. Credit
     will be awarded for the courses listed below. Certification must be
     obtained from the school.

A. Managerial Basic Course, 6 hours, upper level
B. Managerial Recurrent Course, 3 hours, upper level
C. Supervisory Basic Course, 6 hours, upper level
D. Supervisory Recurrent Course, 2 hours, upper level

College-equivalent credit may be available for other learning depending on
the background of the applicant. For further information regarding the Regents
Bachelor of Arts Degree program at Fairmont State College, contact:

Dr. William P. Turner
Regents Degree Program
Fairmont State College
Fairmont, West Virginia  26554
Telephone:  367-4247
Supplement 1

FAA Radar and Communications courses. Credit hour equivalencies received July 11, 1975. Equivalencies for Data Systems and Environmental support courses will be available at a later date.

A. ASR-4/5/6 System (40304), 3 hours, lower level
B. ATC3I-3 Transmitter/Receiver/Indicator Sites (40318), 3 hours, upper level
C. Automatic Program Unit Low Speed (40004), 2 hours, lower level
D. Back-Up Emergency Communications System ARTCC (40009), 3 hours, lower level
E. Coded Time Source (43001), 1 hour, lower level
F. Common Digitizer AN/FYQ-49 (43402), 12 hours, upper level
G. Common Digitizer Height AN/FYQ-47 (43404), 13 hours, upper level
H. Communications Equipment (40007), 8 hours, lower level
I. Electrical Principles (40100), 5 hours, lower level
J. En Route Radar System ARSR-1/2 (4Q307), 3 hours, lower level
K. Flight Data Entry and Printout (44407) and Flight Data Entry and Printout Equipment (43405), 3 hours, lower level
L. Model 29/35 Teletype Equipment (40012), 3 hours, lower level
M. Radar Bright Display Equipment, RBDE-6 (40324), 4 hours, lower level
N. Radar Microwave Link System RML-1/2/3/4 (RML-T/R) (40322), 3 hours, lower level
O. Radar Principles A (40320), 7 hours, lower level
P. Radar Principles B (40330), 6 semester hours, lower level
R. Runway Visual Range Equipment, IRA System (40229), 3 hours, lower level
DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

DATE: JUL 20 1973

INDEX: AAS-824.2

SUBJECT: College Credit Recommendations

to: All Personnel, AAS-824

Enclosed is the University of the State of New York’s College Credit Recommendations for the FAA Academy Resident and Directed Study Courses which were recently evaluated.

The credit recommendations established for high quality programs and courses found to be comparable to college level instruction will assist many currently participating personnel in gaining academic recognition for the learning they have acquired.

Credit Recommendation:

The category of credit, the number of semester hours recommended, and the appropriate subject area.

1. Categories of Credit - There are five categories of possible credit in the CURD:

   (a) Vocational Certificate: Vocational education course work may be identified in terms of total contact hours or semester credit hours. The primary objective of vocational education is to prepare the individual for employment on a prescribed job.

   (b) Associate Degree (including lower division baccalaureate): This category includes collegiate course work designed for educational programs leading to the Associate in Arts, the Associate in Science, or the Associate in Applied Science degree, as well as collegiate course work normally found in the first 2 years of a baccalaureate program.
(c) **Upper Division Baccalaureate Degree**: This category includes collegiate courses usually found in the last 2 years of a baccalaureate program, and the courses generally involve specialization or a theoretical or analytic nature beyond the introductory level.

(d) **Undergraduate Degree**: This category includes collegiate courses which might be applied to any level of a baccalaureate degree program.

2. **Semester Hours** - All credit recommendations are made in semester hours. Credit recommendations in the GUIDE are not derived by a simple arithmetic conversion such as dividing the total number of course hours by 15. Instead, the consultants based their credit recommendations on the range and level of complexity of the subject matter covered, as well as the length of contact hours.

3. **Subject Area** - The recommended subject area(s) in which credit should be awarded.

The following training area's were evaluated:

- Appendix I  Radar and Communications
- Appendix II  Data Systems
- Appendix III  Environmental Support
- Appendix IV  Navigational Aids

R. H. JENKINS  
Sector Manager, AAFS-624

encl.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Description</th>
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| 1. ANR - 4/540 Seminar (4/571) | Category: Lower division Baccalaureate/Associate Degree  
Credits: 3 (1 lecture, 2 laboratory)  
Subject Area: Pulse Electronics |
| 2. ATCBI-7 Transmitter/Receiver/Indicator Sites (4/571A) | Category: Upper division Baccalaureate  
Credits: 3 (1 lecture, 2 lab.)  
Subject Area: Engineering Technology (Communications Electronics) |
| 3. Automatic Program Unit Low Speed - APUS (4/540) | Category: Lower division Baccalaureate/Associate Degree  
Credits: 2 (1 lecture, 1 lab.)  
Subject Area: Data Transmission |
Credits: 3 (1 lecture, 2 lab.)  
Subject Area: Communications Electronics |
| 5. Coded Time Strike (4/500) | Category: Lower division Baccalaureate/Associate Degree  
Credits: 1  
Subject Area: Electronics Technology Laboratory |
Credits: 12 (9 lecture, 3 lab.)  
Subject Area: Engineering Technology (Pulse and Digital Electronics) |
Credits: 15 (9 lecture, 6 lab.)  
Subject Area: Engineering Technology (Pulse and Digital Electronics) |
| 8. Communication Equipment (4/500) | Category: Lower division Baccalaureate/Associate Degree  
Credits: 3 (6 lecture, 2 lab.)  
Subject Area: Communications Electronics |
APPENDIX I

9. Electrical Principles (40300)
   Category: Lower division Baccalaureate/Associate Degree
   Credits: 5 (3 lecture, 2 lab.)
   Subject Area: Basic Electricity

10. En-Route Power System AEER - 1/2 (40307)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Pulse Electronics

11. Flight Data Entry & Printout (44405) & Flight Data Entry & Printout Equipment (43409)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Electromechanical Technology

12. Konec 25/35 Tallerme Equipment (40012)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Electromechanical Technology

13. Radar Bright Display Equipment. RPDE-6 (40334)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 4 (2 lecture, 2 lab.)
    Subject Area: Video Electronics

    Category: Lower division Baccalaureate/Associate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Communications Electronics

15. Radar Principles A (40320)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 4 (3 lecture, 1 lab.) and 3 (2 lecture, 1 lab.)
    Subject Area: Communications Electronics Radar Principles

16. Radar Principles B (40370)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 6 (4 lecture, 2 lab.)
    Subject Area: Radar Principles
APPENDIX II

1. Principles of Digital Logic and Data Processing 43411
   Category: Lower division
   Credits: 1 credit
   Subject Area: Digital Logic Principles

2. Data Processing Group (DPG) Interfacility Data Set (IFDS) 43417
   Category: Lower division
   Credits: 3 (1 lecture, 2 lab.)
   Subject Area: Computer Technology

3. IBM 9020 Peripheral Devices 43457
   Category: Lower division
   Credits: 3 (1 lecture, 2 lab.)
   Subject Area: Electromechanical Technology

4. IBM 9020 System Familiarization and BAL Programming 43458
   Category: Upper division
   Credits: 7 (4 lecture, 3 lab.)
   Subject Area: Computer Technology and/or Data Processing

5. IBM 9020 Input/Output Equipment 43459
   Category: Lower division
   Credits: 5 (2 lecture, 3 lab.)
   Subject Area: Electromechanical Technology

6. IBM 9020 A/D PAM and System Control 43460
   Category: Lower division
   Credits: 4 (2 lecture, 2 lab.)
   Subject Area: Computer Technology

7. IBM 9020 D/E Processing 43462
   Category: Upper division
   Credits: 15 (6 lecture, 9 lab.)
   Subject Area: Computer Technology

8. IBM 9020 E Option Specialty 43470
   Category: Upper division
   Credits: 4 (1 lecture, 3 lab.)
   Subject Area: Computer Technology
APPENDIX IV

9. ILS Course (1024)
   Category: Lower division Baccalaureate/Associate Degree
   Credits: 2
   Subject Area: Communications Electronics

10. ILS (Tube Type) 1024
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Engineering Technology

11. ILS Wilson Mark Ia (40233)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Engineering Technology

    Category: Undergraduate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Engineering Technology

13. Rho-theta Monitor Equipment, RTC-3 (40231)
    Category: Undergraduate Degree
    Credits: 4 (2 lecture, 2 lab.)
    Subject Area: Engineering Technology

    Category: Undergraduate Degree
    Credits: 2 (1 lecture, 1 lab.)
    Subject Area: Engineering Technology

    Category: Undergraduate Degree
    Credits: 2 (1 lecture, 1 lab.)
    Subject Area: Engineering Technology

    Category: Undergraduate Degree
    Credits: 7 (5 lecture, 2 lab.)
    Subject Area: Pulse & Microwave Electronics
17. Human Visual Range Equipment, Type FA-7831 (40711)
   Category: Lower division Baccalaureate/Associate Degree
   Credits: 3 (1 lecture, 2 lab.)
   Subject Area: Engineering Technology

18. Solid State Devices (44712 - 44729)
   Category: Lower division Baccalaureate/Associate Degree
   Credits: 3
   Subject Area: Solid State Devices

19. VHF Communication Equipment (VCR) (40205)
   Category: Lower division Baccalaureate/Associate Degree
   Credits: 4 (2 lecture, 2 lab.)
   Subject Area: Communications Electronics

20. Runway Visual Range Equipment, TRS System (40329)
    Category: Lower division Baccalaureate/Associate Degree
    Credits: 3 (1 lecture, 2 lab.)
    Subject Area: Engineering Technology

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## APPENDIX II

### 25. Text Displaying Techniques (43378)

**Category:** Lower Division  
**Credits:** 10 (4 lecture, 6 lab.)  
**Subject Area:** Computer Technology

### 26. Computer Update Equipment (43416)

**Category:** Lower Division  
**Credits:** 5 (2 lecture, 3 lab.)  
**Subject Area:** Computer Technology

### 27. Test Equipment Console Test Cart (43419)

**Category:** Lower Division  
**Credits:** 6 (3 lecture, 3 lab.)  
**Subject Area:** Computer Technology

### 28. System Maintenance Monitor Console (43432)

**Category:** Lower Division  
**Credits:** 3 (1 lecture, 2 lab.)  
**Subject Area:** Computer Technology

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**APPENDIX III - ENVIRONMENTAL SUPPORT**

**SOLID STATE FUNDAMENTALS FOR ELECTRO-MECHANICS 40115 and 44107**

1. **Category:** Lower Division  
   **Credits:** 2 (1 lecture & 1 lab)  
   **Subject Area:** Introduction to Electronics

2. **ENVIRONMENTAL SUPPORT SYSTEMS CONCEPTS 40117**
   **Category:** Lower Division  
   **Credits:** 2 (1 lecture & 1 lab)  
   **Subject Area:** Introduction to Electronics

3. **AIR CONDITIONING 44106 and 40114**
   **Category:** Lower Division  
   **Credits:** 3 (1 lecture, 2 lab)  
   **Subject Area:** Air Conditioning and Heating

4. **AETCC EXPERIMENTAL CONDITIONING & CONTROLS 43438**
   **Category:** Lower Division  
   **Credits:** 3 (1 lecture, 2 lab)  
   **Subject Area:** Air Conditioning and Heating

5. **AETCC HEAVY DUTY AIR CONDITIONING 43440**
   **Category:** Lower Division  
   **Credits:** 2 (1 lecture 1 lab)  
   **Subject Area:** Air Conditioning and Heating

6. **AETCC BOILERS 43439**
   **Category:** Lower Division  
   **Credits:** 3 (1 lecture, 2 lab)  
   **Subject Area:** Air Conditioning and Heating

7. **GASOLINE AND DIESEL ENGINE GENERATORS 40118**
   **Category:** Lower Division  
   **Credits:** 4 (2 lecture, 2 lab)  
   **Subject Area:** Engineering Technology (Standby Power Systems)
8. **550 KW DIESEL ENGINE GENERATORS 40116 and 44102**
   Category: Lower Division
   Credits: 2 (1 lecture, 1 lab)
   Subject Area: Engineering Technology (Standby Power Systems)

9. **AETCC STANDBY POWER AND DISTRIBUTION SYSTEM 43449**
   Category: Lower Division
   Credits: 4 (2 lecture, 2 lab)
   Subject Area: Engineering Technology (Standby Power Systems)

10. **POWER CONDITIONING SYSTEM 43433**
    Category: Lower Division
    Credits: 5 (2 lecture, 3 lab)
    Subject Area: Electrical Technology

    Category:
    Credits:
    Subject Area:

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    Credits:
    Subject Area:

    Category:
    Credits:
    Subject Area:
1. **Advanced ILS/VOA Principles (40205)**
   - Category: Lower division Baccalaureate/Associate Degree
   - Credits: 4 (3 lecture, 1 lab.)
   - Subject Area: Communications Electronics

2. **ALL/GEN-27 Category II ILS (40232)**
   - Category: Lower division Baccalaureate/Associate Degree
   - Credits: 3 (1 lecture, 2 lab.)
   - Subject Area: Engineering Technology

3. **Digital Logic Principles (40402)**
   - Category: Lower division Baccalaureate/Associate Degree
   - Credits: 2
   - Subject Area: Digital Logic Principles

4. **Doppler VOR System (40207)**
   - Category: Lower division Baccalaureate/Associate Degree
   - Credits: 2
   - Subject Area: Communications Electronics

5. **Electronic Fundamentals and Engineering Mathematics (44504)**
   - Category: Lower division Baccalaureate/Associate Degree
   - Credits: 5 and 3 Mathematics
   - Subject Area: DC/AC Circuit Theory

6. **Foundation Mathematics (44502)**
   - Category: Lower division Baccalaureate/Associate Degree
   - Credits: 3
   - Subject Area: Natural Science

7. **ILS AII. Mark Ib (40236)**
   - Category: Lower division Baccalaureate/Associate Degree
   - Credits: 3 (1 lecture, 2 lab.)
   - Subject Area: Engineering Technology

8. **ILS Capture Effect Glide Slope (40240)**
   - Category: Upper division Baccalaureate
   - Credits: 3 (2 lecture, 1 lab.)
   - Subject Area: Engineering Technology
<table>
<thead>
<tr>
<th>Course Description</th>
<th>Category</th>
<th>Credits</th>
<th>Subject Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>9. ILM: PM-AL Direct Access Storage Specialty 43437</td>
<td>Lower division</td>
<td>3 (1 lecture, 2 lab.)</td>
<td>Electromechanical Technology</td>
</tr>
<tr>
<td>10. Introduction to the IIL: 9020 Central Computer Complex 44404</td>
<td>Upper division</td>
<td>2 credit</td>
<td>Computer Technology and/or Data Processing</td>
</tr>
<tr>
<td>11. Radar Data Acquisition System 43400</td>
<td>Upper division</td>
<td>3 (2 lecture, 1 lab.)</td>
<td>Electronics Technology</td>
</tr>
<tr>
<td>12. NAS En Route Automation I/O Equipment for Engineers 43412</td>
<td>Upper division</td>
<td>2 (1 lecture, 1 lab.)</td>
<td>Computer Technology</td>
</tr>
<tr>
<td>13. IBM 9020 CSC for Engineers 43463</td>
<td>Upper division</td>
<td>6 (2 lecture, 4 lab.)</td>
<td>Computer Technology</td>
</tr>
<tr>
<td>14. JOVIAL Programming 43464</td>
<td>Upper division</td>
<td>2 (no breakdown of lecture/lab.)</td>
<td>Computer Programming</td>
</tr>
<tr>
<td>15. NAS En Route Operational Program for Engineers 43420</td>
<td>Upper division</td>
<td>3 (1 lecture, 2 lab.)</td>
<td>Computer Technology</td>
</tr>
<tr>
<td>16. SMEC for Engineers 43421</td>
<td>Upper division</td>
<td>1 credit</td>
<td>Computer Technology</td>
</tr>
</tbody>
</table>
17. Display Channel Complex for Engineers 43417
   Category: Upper division
   Credits: 4 (1 lecture, 3 lab.)
   Subject Area: Computer Technology

18. RDP Operational Programming 43450
   Category: upper division
   Credits: 2 (1 lecture, 1 lab.)
   Subject Area: Computer Technology

19. Computer Display Channel for Engineers 43418
   Category: Upper division
   Credits: 7 (3 lecture, 4 lab.)
   Subject Area: Computer technology and/or Data Processing

20. Computer Display Channel Software 43451
   Category: Upper division
   Credits: 6 (2 lecture, 4 lab.)
   Subject Area: Computer Technology

21. DCC Software 43452
   Category: Upper division
   Credits: 4 (1 lecture, 3 lab.)
   Subject Area: Computer Technology

22. Bright Radar Indicator Tower Equip., BRITE-1 40511
   Category: Lower division
   Credits: 3 (1 lecture, 2 lab.)
   Subject Area: Video Electronics

23. Intro. to CDC Display 44410
   Category:
   Credits: No credit
   Subject Area:

24. Multi-Channel Recorder 44402, 44404, 44408
   Category: Lower division
   Credits: 2 (1 lecture, 1 lab.)
   Subject Area: Electromechanical Technology
Appendix 11
DATE: September 30, 1985

TO: Dr. David R. Powers
    Vice Chancellor for Academic Affairs

FROM: John F. Thralls, Director
      Student and Educational Services

SUBJECT: Recommendation to Approve Additional
          Standard Credit Agreements

Standard Credit Agreements are guidelines which may be used by institutions when awarding credits to students for work and life experience in certain fields under the Regents Bachelor of Arts Program. These agreements, which indicate the number of credits to be awarded, are recommended by various institutions and agreed upon by the Regents BA Coordinators.

At their fall meeting, the Regents B.A. Coordinators voted to request that the following standard credit agreements be presented for approval at the October 21, 1985 meeting of the Academic Affairs Advisory Committee.

(1) **Journeyman Air Traffic Controllers:** accept a block of 60 semester hours (30 upper division hours and 30 lower division hours) as implemented since 1976 at Shepherd College (attachment #1).

(2) **Cytotechnology:** accept a block of 30 upper division credits as detailed in "Establishing Credit Values for a Cytotechnology Curriculum," Shirley E. Greening, MS, CFIAC, American Society of Cytology Programs Faculty Seminar, Atlanta, Georgia November 5, 1984 (attachment #2).

JFT: ss

Enclosures
May 30, 1975

Herbert Schlossberg
Academic Dean

Dr. William S. Westbrook
Marshall University
Huntington, W. Va. 25701

Dear Bill:

I regret this delay in getting back to you after our telephone conversation on awarding CEC for F.A.A. employees. With all that it took to wrap up the academic year, including several rush projects for the Board of Regents, Howard and I have been able to devote little time to more important things.

Our decisions have been mostly in line with the thinking I shared with you on the phone. We were unable, however, to apportion the airway facilities background according to specialization within the electronics field as we had hoped to do and therefore have decided to record the credits in general terms, as in the case of the controllers. The airway facilities sector was further complicated by the fact that some AFS journeymen have more than one specialization, and we debated giving more than the standard number of credits for additional specializations—for example, radar, computers, communications, etc. We settled this problem, upon the advice of one of the AFS supervisors, deciding to award 60 hours for journeymen status regardless of how many electronics fields the AFS journeyman had qualified in. This is also the practice of George Washington University, which has an extensive program with FAA people.

Our conclusion was that we would award 60 hours in Air Traffic Control Technology to journeyman controllers and 60 in Electronics Technology to AFS journeymen. In both cases, there would be 30 hours each of upper and lower division credit. We have made no decision on Flight Service Station specialists, because we have had no applicants from this source. The FAA assigns them a lower grade, apparently because the sophistication of their training is considerably less. I presume that radar approach controllers would be treated the same as the Center radar controllers with whom we have been dealing, but that tower controllers and approach controllers in a non-radar environment should be awarded less credit. Have you formed any opinion on those positions with respect to college equivalent credit?

There is another issue regarding the AFS journeyman that we have not resolved. Although we are considering all their work in electronic technology as being worth 60 hours in CEC, regardless of how many specialties they have learned, some of them have developed considerable capabilities in computer programming. Should this be considered separately, since it is an established field in most of our institutions and is not clearly a part of the electronic technology which is needed purely for the maintenance function of air traffic equipment? Or should it simply be lumped together with the blanket 60 hours in electronic technology? What is your thinking about that?

Sincerely yours,

Herbert Schlossberg
Awarding Credit for Federal Aviation Administration Pilot and Mechanic Certificates

By Frank D. Robbins, West Virginia University Institute of Technology, May 1, 2014

The following is an overview on the credit awarded for Federal Aviation Administration FAA Pilot, Instructor, Flight Engineer, and Mechanic certificates and ratings. The certification method used by the FAA is difficult to summarize, especially in regard to the learning associated with a specific level of certification. A few rules on how the FAA awards certificates may help.

First, a pilot can only hold one type of pilot certificate; private, commercial, airline transport, etc. Technically a commercial pilot is no longer a private pilot, even though he or she was required to obtain a private pilot certificate prior to earning a commercial pilot certificate.

However, in some cases a pilot may hold a higher level certificate, for example an airline transport pilot, but not be authorized to exercise ATP privileges in all types of aircraft. This is reflected on the certificate as a limit or limitation. For example, an airline transport pilot with a multi-engine rating may have a limitation for commercial privileges when operating a single engine airplane. This is a common limitation, since there are effectively no single engine airliners, so there is little reason for a pilot to obtain a single engine rating on his airline transport pilot certificate. Limitations typically have no effect on the credit awarded for pilot certificates, with the exception of a second in command (SIC) limitation on a type rating.

When a RBA student requests credit for his or her "pilot's license" the pilot typically presents a plastic card(s). These cards do not actually say "Pilot License" or "Pilot Certificate". They do show the individual's name and the pilot or flight instructor qualifications that individual holds. Please make a copy of all cards. However check this information against the FAA Registry at: https:amsrvs.registry.faa.gov/airmeninquiry. You will first be required to enter your personal information and then be given access to the Airmen Inquiry page. Enter the information for the student in question. You should then see the FAA information on the individuals with that name. Please use care to check the address and other information of your student against the information in the report. Duplicate names are not uncommon. This report is in a different format than the pilot certificate, but contains the same information.

A list of the credit awarded for FAA certificates is as follows:

<table>
<thead>
<tr>
<th>Pilot &amp; Flight Instructor Certificates:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Private Pilot</td>
<td>6 credit hours, lower division</td>
</tr>
<tr>
<td>Commercial Pilot</td>
<td>8 credit hours, upper division</td>
</tr>
<tr>
<td>Flight Instructor</td>
<td>6 credit hours, upper division</td>
</tr>
<tr>
<td>Airline Transport Pilot</td>
<td>6 credit hours, upper division</td>
</tr>
<tr>
<td>Flight Engineer</td>
<td>6 credit hours, upper division</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pilot &amp; Flight Instructor Ratings:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument Rating</td>
<td>7 credit hours, upper division</td>
</tr>
<tr>
<td>Multi-Engine Rating</td>
<td>3 credit hours, upper division</td>
</tr>
<tr>
<td>Additional Airplane or Helicopter Rating</td>
<td>6 credit hours, upper division</td>
</tr>
<tr>
<td>Instrument Flight Instructor Rating</td>
<td>4 credit hours, upper division</td>
</tr>
<tr>
<td>Multi-Engine Flight Instructor Rating</td>
<td>3 credit hours, upper division</td>
</tr>
</tbody>
</table>

| Mechanic with A&P Ratings             | 67 credit hours, mixed division |

On the following pages you will find some sample pilot and flight instructor certificates as well as reports from the FAA web site, with notes explaining the reports.
The next examples are reports for Frank D Robbins and Frank David Robbins. Frank D Robbins holds a private pilot certificate while Frank David Robbins holds an airline transport pilot certificate and a flight instructor certificate.

Following is the report for Molly Arrington. Molly is a helicopter pilot. Notice a few differences. She does not hold a multi-engine rating nor does she hold an airplane rating.

You will also see a report for a pilot that holds both a PIC and a SIC type rating and as well as a mechanic report.
Federal Aviation Administration

U.S. Department of Transportation
Federal Aviation Administration
Airman Details Report

Personal Information:
FRANK D ROBBINS

Address is not available

Medical Information:
No Medical Available.

Certificate Information:
Certificate: PRIVATE PILOT
Date of Issue: 11/24/1948

Ratings:
PRIVATE PILOT
AIRPLANE SINGLE ENGINE LAND

This is the pilot's certificate level, in this case private pilot. Private pilot is an award of 6 credit hours.

These are the Ratings. Airplane single engine land is a basic level of certification, indicating this pilot is authorized to fly airplanes with only one engine, and not authorized to fly seaplanes. He is also only authorized to fly in good weather conditions, since he does not have an instrument rating. There are no additional credit awards for these basic ratings.
Personal Information:
FRANK DAVID ROBBINS
613 OVERLOOK DR
BECKLEY WV 25801-9251
County: RALEIGH
Country: USA

Medical Information:
Medical Class: First, Medical Date: 1/2014
MUST WEAR CORRECTIVE LENSES.

Certificate Information:
Certificate: AIRLINE TRANSPORT PILOT
Date of Issue: 2/27/2008

Ratings:
AIRLINE TRANSPORT PILOT
AIRPLANE MULTIENGINE LAND
COMMERCIAL PRIVILEGES
AIRPLANE SINGLE ENGINE LAND
PRIVATE PRIVILEGES
AIRPLANE SINGLE ENGINE SEA

Type Ratings:
A/BA-3100 A/CA-212 A/CE-500

Limits:
ENGLISH PROFICIENT.

This is the certificate, an airline transport pilot certificate or (ATP). ATP is awarded 27 credit hours.

This is the multi-engine rating, an award of 3 hours.

These are type ratings, in this case three different type ratings. The award for a PIC type rating is 6 hours.

Notice there are no SIC limitations on the type ratings. This is the only way to know if the type ratings are PIC or SIC.
U.S. Department of Transportation  
Federal Aviation Administration  
Airman Details Report  

**Personal Information:**  
MOLLY ELIZABETH ARRINGTON  

1144 MELPOMENE ST  
NEW ORLEANS LA 70130-4226  
County: ORLEANS  
Country: USA  

**Medical Information:**  
Medical Class: First, Medical Date: 11/2013  
HOLDER SHALL POSSESS GLASSES FOR NEAR & INTERMEDIATE VISION.  

**Certificate Information:**  
Certificate: AIRLINE TRANSPORT PILOT  
Date of Issue: 5/7/2012  

**Ratings:**  
AIRLINE TRANSPORT PILOT  
ROTORCRAFT-HELICOPTER  

**Type Ratings:**  
A/SK-92  

**Limits:**  
ENGLISH PROFICIENT.  

This is a type rating, in this case a large helicopter.  
Please notice there is no SIC limitation.  
Therefore this is a PIC type rating, with a credit award of 6 hours.  

This is the certificate level, Airline Transport Pilot.  This indicates this individual previously earned both private and commercial certificates and an instrument rating.  The credit award for ATP is 27 hours.  

The ratings section on this report indicates this is a helicopter pilot.  Since this pilot is not rated in both airplanes and helicopters there is no additional credit for the helicopter rating.
Personal Information:
FRANK DAVID ROBBINS

613 OVERLOOK DR
BECKLEY WV 25801-9251
County: RALEIGH
Country: USA

Medical Information:
Medical Class: First, Medical Date: 1/2014
MUST WEAR CORRECTIVE LENSES.

Certificate Information:
Certificate: FLIGHT INSTRUCTOR
Date of Issue: 4/23/2013

Ratings:
FLIGHT INSTRUCTOR
AIRPLANE SINGLE AND MULTIENGINE
INSTRUMENT AIRPLANE

Limits:
VALID ONLY WHEN ACCOMPANIED BY PILOT CERTIFICATE NO. . EXPIRES: 31 JUL 2015.

This is the certificate, Flight Instructor. The credit award for flight instructor is 6 credit hours.

These are the flight instructor ratings. The credit award for single engine is normally part if the flight instructor award. The credit award for multi-engine is 3 credit hours and the award for instrument airplane (instrument instructor) is 4 credit hours.
This is a report of an airline transport pilot with both PIC & SIC type ratings. The PIC type rating is for the A/CE-500. The SIC type rating is for the A/DHC-8. The CE-500 Second in Command Required limit is not a SIC limitation, but only indicates he is required to have a SIC (a co-pilot) when flying this aircraft.

The credit award is 6 credit hours.
This is a report for a mechanic. Note the format is similar to the pilot reports.

This is the certificate, Mechanic.

These are the ratings, Airframe and Powerplant. According to ACE recommendations a Mechanic with Airframe and Powerplant ratings is awarded 67 credit hours.

The Inspection Authorization has no credit award.
Below is a list of pilot certificates, from advanced to basic, and the credit awarded for each certificate. When evaluating pilot certificates, award credit for the certificate level held by the pilot, for example airline transport pilot is 27 credit hours. Do not award 27 hours for airline transport pilot and then award another 14 hours for commercial pilot and yet another 6 hours for private pilot.

The table below also includes references to ratings. Ratings are authorizations for specific types of operations. Some examples are an instrument rating, which authorizes the pilot to fly in poor weather (instrument) conditions; a multi-engine rating which authorizes the pilot to fly aircraft with more than one engine, and a type rating which authorizes the pilot to fly a specific type (make and model) of advanced aircraft. Type ratings are difficult to interpret because they are only listed with the FAA aircraft identification code of the aircraft. A type rating in a Boeing 747 would be listed only as “A/B747”. Type ratings may be Pilot in Command (PIC) or Second in Command (SIC). A second in command type rating is actually a type rating with a limitation, and the SIC limitation will be listed in the limits section as “A/B747 SIC only”. If in doubt please consult with Frank D. Robbins at WVU Tech or with the FAA Charleston Flight Standards District Office at 304-347 5199.

### Pilot Certificates

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Credit Hours</th>
<th>Lower Division Hours</th>
<th>Upper Division Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airline Transport Pilot Certificate</td>
<td>27</td>
<td>6</td>
<td>15</td>
</tr>
<tr>
<td>Includes credit for Private Pilot (6 hrs), Commercial Pilot (8 hrs), Instrument Rating (7 hrs) Common ratings are Multi-Engine (3 ud hours), Type Rating (6 ud hours for PIC, 3 ud hours for SIC)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial Pilot Certificate</td>
<td>14</td>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>Includes credit for Private Pilot (6 ld hours)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common ratings are Multi-Engine (3 ud hours), Instrument (7 ud hours)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private Pilot Certificate</td>
<td>6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Common ratings are Multi-Engine (3 ud hours), Instrument (7 upper division hours)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Recreational Pilot: No credit</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flight Engineer: 6 credit hours (upper division)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Instructor Certificates

<table>
<thead>
<tr>
<th>Certificate</th>
<th>Credit Hours</th>
<th>Upper Division Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flight Instructor Certificate</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Common ratings are Multi-Engine Instructor (3 ud hours), Instrument Instructor (4 ud hours). Less common is the “dual rated” instructor, authorized in both airplanes and helicopters. The dual rating is worth an additional 6 upper division credit hours.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flight Engineer: 6 credit hours (upper division)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Mechanic Certificates:

The American Council on Education in the National Guide for Workforce Training, acenet.edu/nationalguide, recommends credit for successfully completing the FAA Mechanic examinations ACE Number PAMA-0001, PAMA 0002 and PAMA-0003. A summary of the awards is as follows:
PAMA-0001 General Examination: 14 semester hours

PAMA-0002 Powerplant Examination: 25 semester hours

PAMA-0003 Airframe Examination: 28 semester hours

When searching acenet.edu/nationalguide remember to check the Exams button, not the Courses button. Below is a “cut and paste” from the acenet.edu/nationalguide web site:

PAMA-0001:

Exam

ACE Course Number: 0001

Organization: Professional Aviation Maintenance Association/Federal Aviation Administration

Location: various

Dates Offered: 8/1/1989 - 9/30/2011

Description: The Professional Aviation Maintenance Association is the sponsoring organization in conjunction with the Federal Aviation Administration who manages and administers the examinations. The Federal Aviation Administration issues mechanic certificates in accordance with Title 14, Code of Federal Regulations, Part 65, Subpart D, Mechanics. The mechanic certificate is divided into two ratings, airframe and powerplant. Each rating grants the holder specific responsibilities and privileges identified in the rule. The mechanic can choose only to be airframe or powerplant rated, or hold both the airframe and powerplant rating. However, the majority of individuals test for both the Airframe and Powerplant ratings because more employment opportunities are open to them. To become a certificated mechanic an individual must be eligible and successfully pass a series of written, oral, and practical tests. Airframe rating qualifies the certificate holder to work on all parts of an aircraft except the powerplants and propellers. A holder of a Powerplant certificate is restricted to work on only powerplants and propellers. To be eligible to sit for the examinations an individual must be a graduate of an FAA Approved Part 147 Aviation Maintenance Technician School (AMT), or demonstrate to the satisfaction of the FAA that he or she has 18 months practical experience working on airframes or powerplants, or 30 months working concurrently on airframes and Powerplants. Part 147 of title 14, CFR require the AMT School teach an approved curriculum for a minimum of 1900 hours. To sit for the A&P examination based on practical experience the applicant must show 4800 hours of aviation maintenance experience working on airframes and powerplants. This practical experience can be earned either in the military or in industry. The FAA's Airframe and Powerplant Examination is composed of three major parts: Written, Oral, and Practical and covers 43 subject areas from wood working to turbine engines to electrical. The written examination is further divided into Airframe, Powerplant, and General. For example if an individual wanted to sit for the A&P examination he or she would have to take three (3) computer-based, multiple-choice, question parts. After successfully completing the written examination, the individual would take both the oral and practical parts from a FAA Designated Mechanic Examiner, or FAA Aviation Safety Inspector (Airworthiness).

Skills Measured: Basic electricity, aircraft drawings, weight and balance, fluid lines and fittings, materials and processes, ground operation and servicing, cleaning and corrosion control, maintenance forms and records, basic physics, maintenance publications, and mechanic privileges and limitations.

Credit Recommendation: In the lower division baccalaureate/associate degree level, 14 semester hours in Aviation Science as follows: In the lower division baccalaureate/associate degree category, 2 semester hours in Basic Electricity; in the lower division baccalaureate/associate degree category, 1 semester hour in Aircraft Drawings; in the lower division baccalaureate/associate degree category, 1 semester hour in Weight and Balance; in the lower division baccalaureate/associate degree category, 1 semester hour in Fluid and Fittings; in the lower division baccalaureate/associate degree category, 2 semester hours in Materials and Processes; in the lower division baccalaureate/associate degree category, 1 semester hour in Ground Operations; in the lower division baccalaureate/associate degree category,
1 semester hour in Cleaning and Corrosion; in the lower division baccalaureate/associate degree category, 2 semester hours in Mathematics; in the lower division baccalaureate/associate degree category, 1 semester hour in Maintenance Forms and Records; in the lower division baccalaureate/associate degree category, 1 semester hour in Basic Physics; in the lower division baccalaureate/associate degree category, 1 semester hour in Mechanic Privileges and Limitations (8/99). NOTE: The General, Powerplant, and Airframe examinations must all be successfully completed for credit recommendation.

PAMA-0002

Exam

ACE Course Number: 0002

Organization: Professional Aviation Maintenance Association/Federal Aviation Administration

Location: Various

Dates Offered: 8/1/1989 - 9/30/2011

Description: The Professional Aviation Maintenance Association is the sponsoring organization in conjunction with the Federal Aviation Administration who manages and administers the examinations. The Federal Aviation Administration issues mechanic certificates in accordance with Title 14, Code of Federal Regulations, Part 65, Subpart D, Mechanics. The mechanic certificate is divided into two ratings, airframe and powerplant. Each rating grants the holder specific responsibilities and privileges identified in the rule. The mechanic can choose only to be airframe or powerplant rated, or hold both the airframe and powerplant rating. However, the majority of individuals test for both the Airframe and Powerplant ratings because more employment opportunities are open to them. To become a certificated mechanic an individual must be eligible and successfully pass a series of written, oral, and practical tests. Airframe rating qualifies the certificate holder to work on all parts of an aircraft except the powerplants and propellers. A holder of a Powerplant certificate is restricted to work on only powerplants and propellers. To be eligible to sit for the examinations an individual must be a graduate of an FAA Approved Part 147 Aviation Maintenance Technician School (AMT), or demonstrate to the satisfaction of the FAA that he or she has 18 months practical experience working on airframes or powerplants, or 30 months working concurrently on airframes and Powerplants. Part 147 of title 14, CFR require the AMT School teach an approved curriculum for a minimum of 1900 hours. To sit for the A&P examination based on practical experience the applicant must show 4800 hours of aviation maintenance experience working on airframes and powerplants. This practical experience can be earned either in the military or in industry. The FAA's Airframe and Powerplant Examination is composed of three major parts: Written, Oral, and Practical and covers 43 subject areas from wood working to turbine engines to electrical. The written examination is further divided into Airframe, Powerplant, and General. For example if an individual wanted to sit for the A&P examination he or she would have to take three (3) computer-based, multiple-choice, question parts. After successfully completing the written examination, the individual would take both the oral and practical parts from a FAA Designated Mechanic Examiner, or FAA Aviation Safety Inspector (Airworthiness).

Skills Measured: Reciprocating engines, turbine engines, engine inspection, engine instrument systems, engine fire protection systems, engine electrical systems, lubrication systems, ignition systems, fuel metering systems, engine fuel systems, induction systems, engine cooling systems, engine exhaust systems, and propellers.

Credit Recommendation: In the lower division baccalaureate/associate degree level, 25 semester hours in Aviation Science as follows: In the lower division baccalaureate/associate degree category, 3 semester hours in Reciprocating Engines; in the lower division baccalaureate/associate degree category, 3 semester hours in Turbine Engines; in the lower division baccalaureate/associate degree category, 1 semester hour in Engine Inspection; in the lower division baccalaureate/associate degree category, 1 semester hour in Engine Instrumentation Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Engine Fire Protection Systems; in the lower division,
baccalaureate/associate degree category, 2 semester hours in Engine Electrical Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Lubrication Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Ignition and Starting Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Fuel Metering Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Engine Fuel Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Induction and Engine Airflow Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Engine Cooling Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Engine Exhaust and Reverser Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Propellers; in the lower division baccalaureate/associate degree category, 1 semester hour in Unducted Fans; in the lower division baccalaureate/associate degree category, 1 semester hour in Auxiliary Power Units (8/99). NOTE: The General, Powerplant, and Airframe examinations must all be successfully completed for credit recommendation.

PAMA-0003

Exam

ACE Course Number: 0003

Organization: Professional Aviation Maintenance Association/Federal Aviation Administration

Location: Various

Dates Offered: 8/1/1989 - 9/30/2011

Description: The Professional Aviation Maintenance Association is the sponsoring organization in conjunction with the Federal Aviation Administration who manages and administers the examinations. The Federal Aviation Administration issues mechanic certificates in accordance with Title 14, Code of Federal Regulations, Part 65, Subpart D, Mechanics. The mechanic certificate is divided into two ratings, airframe and powerplant. Each rating grants the holder specific responsibilities and privileges identified in the rule. The mechanic can choose only to be airframe or powerplant rated, or hold both the airframe and powerplant rating. However, the majority of individuals test for both the Airframe and Powerplant ratings because more employment opportunities are open to them. To become a certificated mechanic an individual must be eligible and successfully pass a series of written, oral, and practical tests. Airframe rating qualifies the certificate holder to work on all parts of an aircraft except the powerplants and propellers. A holder of a Powerplant certificate is restricted to work on only powerplants and propellers. To be eligible to sit for the examinations an individual must be a graduate of an FAA Approved Part 147 Aviation Maintenance Technician School (AMT), or demonstrate to the satisfaction of the FAA that he or she has 18 months practical experience working on airframes or powerplants, or 30 months working concurrently on airframes and Powerplants. Part 147 of title 14, CFR require the AMT School teach an approved curriculum for a minimum of 1900 hours. To sit for the A&P examination based on practical experience the applicant must show 4800 hours of aviation maintenance experience working on airframes and powerplants. This practical experience can be earned either in the military or in industry. The FAA's Airframe and Powerplant Examination is composed of three major parts: Written, Oral, and Practical and covers 43 subject areas from wood working to turbine engines to electrical. The written examination is further divided into Airframe, Powerplant, and General. For example if an individual wanted to sit for the A&P examination he or she would have to take three (3) computer-based, multiple-choice, question parts. After successfully completing the written examination, the individual would take both the oral and practical parts from a FAA Designated Mechanic Examiner, or FAA Aviation Safety Inspector (Airworthiness).

Skills Measured: Wood structures, aircraft covering, aircraft finishes, sheet metal structures, welding, assembly and rigging, airframe inspection, aircraft landing gear systems, hydraulic and pneumatic power system, cabin atmosphere control systems, aircraft instrument systems, communications and navigation systems, and aircraft fuel systems.
Credit Recommendation: In the lower division baccalaureate/associate degree level, **28 semester hours** in Aviation Science as follows: In the lower division baccalaureate/associate degree category, 1 semester hour in Wood Structures; in the lower division baccalaureate/associate degree category, 1 semester hour in Aircraft Covering; in the lower division baccalaureate/associate degree category, 1 semester hour in Aircraft Finishes; in the lower division baccalaureate/associate degree category, 3 semester hours in Sheet Metal and Non-Metallic Structures; in the lower division baccalaureate/associate degree category, 3 semester hours in Welding; in the lower division baccalaureate/associate degree category, 2 semester hours in Assembly and Rigging; in the lower division baccalaureate/associate degree category, 3 semester hours in Aircraft Inspection; in the lower division baccalaureate/associate degree category, 2 semester hours in Aircraft Landing Gear Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Hydraulic and Pneumatic Power Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Cabin Atmosphere Control Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Aircraft Instrument Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Communication and Navigation Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Aircraft Fuel Systems; in the lower division baccalaureate/associate degree category, 2 semester hours in Position and Warning Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Ice and Rain Control Systems; in the lower division baccalaureate/associate degree category, 1 semester hour in Fire Protection (8/99). NOTE: The General, Powerplant, and Airframe examinations must all be successfully completed for credit recommendation.
Memorandum

To: Whom it May Concern
CC: Ms. Janice Watts
From: Pieter H. Blood
Date: 3/1/2007
Re: Fairmont State Summary of Credit Awards for Certified Credentials

Please be advised that I have reviewed the Summary of Credit Awards for Certified Credentials in support of the Regents Bachelor of Arts Degree Program at Fairmont State University as they pertain to aviation related specialty certifications. With the exception of the Aviation Maintenance Technician (Air Frame Rating) and the Aviation Maintenance Technician (Powerplant Rating), all credit awards are justified. However, in accordance with current and past program credit awards, I am recommending that the Aviation Maintenance Technician Airframe Certificate credit be increased from 9ud to 33ud and the Powerplant Certification credit award be increased from 9ud to 29ud. Please feel free to contact me at 304.842.8300 if additional information / clarification is required.

Best Regards,

Pieter H. Blood
Director & Professor
Fairmont State University
Robert C. Byrd National Aerospace Education Center
Watts, Janice

From: Blood, Pieter
Sent: Tuesday, April 03, 2007 2:40 PM
To: Watts, Janice
Subject: RE: Janice Watts

Good Afternoon: I only base that increase on Fairmont's past history of allowing those credit increases provided the student came into the Aviation Maintenance Management bachelor degree program with an earned FAA Airframe and Powerplant certificates. This credit award was based on the actual total number of technical core course credits that the student would earn upon completion of each certificate in question. That total would be slightly less if the total credits were considered for both airframe & powerplant certificates combined into one certificate as opposed to one FAA airframe certificate, or one FAA powerplant certificate. I believe that was the way the question was posed during our meeting. I am away from the center until Thursday, but feel free to contact me on my cell phone at 304.677.8643.

THXpieter

From: Watts, Janice
Sent: Tue 4/3/2007 10:04 AM
To: Blood, Pieter
Subject: Janice Watts

Pieter,

I took your recommendation to the Coordinators meeting on Friday for the College Equivalent Credit for the FFA Training, Licenses, Pilots, and The Aviation Maintenance Technician (Air Frame Rating) and the Aviation Maintenance Technician (Powerplant Rating). The Coordinators thought the increase in Aviation Maintenance from 9 upper division to 33 upper division and the Powerplant Certification from 9 upper division to 29 upper division might be excessive. They stated that if you could justify it, they would accept it. Can you do that?

Thanks.

Janice Watts, Program Assistant II
School of Education
Advisor, Regents B. A. Degree Program
Advisor, Board of Governors A.A.S. Degree Program
Secretary, Leadership Marion
jwatts@fairmontstate.edu
RBA 304-367-4193
FAX 304-367-4599
Hello Mark,

I noticed that you have on the Agenda the Aviation Sciences. I thought that I had sent you an e-mail about this. After talking more extensively with Pieter Blood here is his statement that you might present at the meeting.

I only base the increase in hours (first mentioned) on allowing those credit increased provided the student came into the Aviation Maintenance Management bachelor degree program with an earned FAA Airframe and Powerplant certificate.

So, I guess that the hours will be the same as in the Summary of Credits.

I don’t know if J. J. is coming to the meeting or not. I know that I will not be there. I really have no reason to come since he was given the title of the Coordinator.

Janice Watts, Program Assistant II
School of Education
Advisor, Regents B.A. Degree Program
Advisor, Board of Governors A.A.S. Degree Program
Secretary, Leadership Marion
Janice.Watts@fairmontstate.edu
RBA 304-367-4193
FAX 304-367-4599

10/8/2008
Mark Stotler

From: Watts, Janice [Janice.Watts@fairmontstate.edu]
Sent: Thursday, August 28, 2008 11:07 AM
To: Mark Stotler
Subject: Janice

Mark,

No. 1. I will not be at the October meeting of the Coordinators. I don’t know if J. J. will be there or not. He knows nothing about the program and the title was passed to him recently. Please send me the information and minutes because I am still doing all of the work for the RBA and the BOG students.

NO. 2. The information on the Aviation that I was researching is over. Pieter Blood tells me that the hours he proposed – Aviation Maintenance Technician from 9 to 33 and the Aviation Maintenance Technician from 9 to 29 would be if one comes into their Aviation Program. Pieter Blood who was in charge of the Robert C. Byrd National Aerospace Education Center has now stepped down. He has been extremely ill. So – this is my report.

I have a student that has a diploma from the Pittsburgh Institute of Mortuary Science, however, this has been removed from the Summary of Credit Awards. I don’t even remember what the award was. I only had one student who was the son of a Funeral Director here in Fairmont that got the reward. Is there any way that a student could still get the award even though it has been removed from the listing?

Thank you.

Janice Watts, Program Assistant II
School of Education
Advisor, Regents B.A. Degree Program
Advisor, Board of Governors A.A.S. Degree Program
Secretary, Leadership Marion
Janice.Watts@fairmontstate.edu
RBA 304-367-4193
FAX 304-367-4599

9/8/2008
Appendix 13
TO: John C. Wright, Vice-Chancellor and Director of Academic Affairs

FROM: The School of Business and Economics and
      Allan B. Rosenberg, Coordinator, Regents BA Degree Program

RE: Certified Professional Programs and the Regents BA Program

A number of meetings were held during the months of April and May with the faculty of the School of Business and Economics on the credit value to be assigned to certified professional programs. Each of the programs examined are of national scope and certification is held by individuals in the State and the surrounding area.

It is the recommendation of the School of Business and Economics that the following credit be granted toward the Regents BA Degree program for the following certified professional programs:

1. Chartered Life Underwriters Diploma Program (C.L.U.)

<table>
<thead>
<tr>
<th>Lower Level Credit</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics (micro &amp; macro)</td>
<td>6</td>
</tr>
<tr>
<td>Accounting Principles I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Finance Principles and/or Business Law I</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Upper Level Credit</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insurance Principles</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Insurance (i.e.: Life, Health, Group, Pension and Estate, etc.)</td>
<td>12</td>
</tr>
</tbody>
</table>

Total 30
2. Certified Administrative Manager Professional Diploma (C.A.M.)

**Lower Level Credit**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Economics (micro)</td>
<td>3</td>
</tr>
<tr>
<td>Accounting Principles I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Data Processing (Intro.)</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Business and Finance (i.e.: Math of Finance, Intro. to Business, Intro. to Research Methods, Office Machines, Records Management, etc.)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Upper Level Credit**

<table>
<thead>
<tr>
<th>Electives in Management</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>(i.e.: Production Management, Personnel Management, Office Management, Business Policies, etc.)</td>
<td>6</td>
</tr>
<tr>
<td>Electives in Data Processing</td>
<td></td>
</tr>
<tr>
<td>(i.e.: Intro. to COBOL, Advance COBOL, Systems and Procedures Development, Management Information Systems, etc.)</td>
<td>6</td>
</tr>
<tr>
<td>Electives in Business and Finance</td>
<td></td>
</tr>
<tr>
<td>(i.e.: Financial Analysis, Managerial Cost Analysis, Managerial Accounting, etc.)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**                                          | 30     |
3. Certified Data Processing Professional Diploma (C.D.P.)

Lower Level Credit
Intro. to Data Processing 3
Math of Finance 3
Calculus and Statistics 6
Accounting Principles I 3

Upper Level Credit
Electives in Management (i.e.: Office Management, Business Policies, Personnel Management, Production Management, etc.) 3
Systems Analysis and Design 6
Computer Programming 6

Total 30

4. Certified Management Accounting Diploma Program (C.M.A.)

Lower Level Credit
Economics (macrc) 3
Finance Principles 3
Accounting Principles I & II 6

Upper Level Credit
Tax Accounting 6
Auditing 3
Corporation Finance 3
Decision Analysis 3
Information Systems 3

Total 30
5. Certified Professional Secretaries Diploma (C.P.S.)

**Lower Level Credit**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting Principles I</td>
<td>3</td>
</tr>
<tr>
<td>Economics (macro.)</td>
<td>3</td>
</tr>
<tr>
<td>Typewriting I, II, &amp; III</td>
<td>6</td>
</tr>
<tr>
<td>Shorthand I &amp; II</td>
<td>6</td>
</tr>
<tr>
<td>Electives in Business</td>
<td></td>
</tr>
<tr>
<td>(i.e.: Math of Finance, Business Law I, Records Management, etc.)</td>
<td>3</td>
</tr>
</tbody>
</table>

**Upper Level Credit**

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Executive Secretarial Procedures</td>
<td>3</td>
</tr>
<tr>
<td>Human Relations for Secretaries</td>
<td>3</td>
</tr>
<tr>
<td>Electives in Management</td>
<td></td>
</tr>
<tr>
<td>(i.e.: Office Management, Personnel Management, Business Policies, etc.)</td>
<td>3</td>
</tr>
</tbody>
</table>

Plus

Before 1970

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dictation and Transcription I &amp; II</td>
<td>6</td>
</tr>
</tbody>
</table>

After 1970

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Communications</td>
<td>3</td>
</tr>
</tbody>
</table>

**Total**

<table>
<thead>
<tr>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
</tr>
<tr>
<td>36</td>
</tr>
<tr>
<td>33</td>
</tr>
</tbody>
</table>

cc: All Coordinators and Dr. Bernard J. Landwehr, Director of the School of Business and Economics
Appendix 14
WEST LIBERTY STATE COLLEGE  
WEST LIBERTY, WEST VIRGINIA 26074

Allan B. Rosenberg  
Coordinator  
Regents B.A. Degree

TO: John C. Wright, Vice-Chancellor and Director  
of Academic Affairs

FROM: The School of Business and Economics and  
Allan B. Rosenberg, Coordinator, Regents  
B.A. Degree Program

RE: Certified Professional Programs and the Regents B.A. Program

A number of meetings were held during the months of September and October  
with the faculty of the School of Business and Economics on the credit value to  
be assigned to certified professional programs. Each of the programs examined  
are of national scope and certification is held by individuals in the State and  
the surrounding area.

It is the recommendation of the School of Business and Economics that  
the following credit be granted toward the Regents B.A. Degree program for the  
following certified professional programs:

1. Certified Member, American Society of Traffic and Transportation (CM-ASTT)

   Lower Level Credit

   Economics (Transportation)  3

   Electives in Management  6  
   (i.e.: Traffic, Transportation, Physical  
   Distribution, Mang. Tools and Concepts,  
   etc.)

   Upper Level Credit

   Electives in Management  3  
   (i.e.: Management Tools and Concepts,  
   Physical Distribution, etc.)

   Electives in Transportation Law and  
   Regulation (i.e.: I.C.C. Laws)  6

   Electives in Business or Management  3  
   (i.e.: Individual research paper or  
   project.)

   Total  21
2. National Association of Purchasing Management Certification Program (N.A.P.M.)

Lower Level Credit

Electives in Economics or Business
(i.e.: Principles of Business, Principles of Finance, Principles of Economics (micro), etc.) 3

Electives in Management
(i.e.: Principles of Management, Principles of Production, Principles of Finance, etc.) 3

Upper Level Credit 6

Electives in Management
(i.e.: Principles of Purchasing, Policies and Procedures, Budgets, etc.) 3

Electives in Quantitative Areas
(i.e.: Statistics, Quality control, Cost Acct., etc.) 3

Total 12

3. Society of Actuaries

Part 1 (General Math)

Lower Level Credit
(i.e.: Algebra; Analytic Geometry and Calculus, etc.) 8

Upper Level Credit
(i.e.: Calculus) 8

Part 2 (Probability and Statistics)

Upper Level Credit
(i.e.: Statistics) 3

Total for Associate Membership (Parts 1 & 2) 19

Part 3

Upper Level Credit
(i.e.: Numerical Analysis and Elective in Quantitative Analysis "Theory of Interest") 6
Part 4

Upper Level Credit

Electives in Insurance  
(i.e.: Life Contingencies)  

Part 5

Upper Level Credit

Electives in Insurance  
(i.e.: Demography, Construction of mortality and disability tables, and Risk Theory.)

Total for Parts 3, 4, and 5  

Total for Associateship  
Parts 1, 2, 3, 4, and 5  

Part 6

Upper Level Credit

Electives in Insurance  
(i.e.: Life, Health, and Pension Coverages, Marketing of Insurance Products, Selection of Risks)

Part 7

Upper Level Credit

Electives in Insurance  
(i.e.: Investment of Life Insurance and Pension Funds and Valuation of Assets, and Valuation of Liabilities)

Part 8

Upper Level Credit

Electives in Insurance  
(i.e.: Gross premiums and pension contributions, Analysis and distribution of surplus, Experience analysis, and Contract values and changes)
Part 9

Upper Level Credit

Electives in Insurance
(i.e.: Social insurance, Life and Health insurance accounting, Life insurance law, and Life insurance taxation.) 6

Total for Parts 6, 7, 8, and 9 24

Total for Fellowship
Parts 1 through 9 58


Part 1 (General Math)

Lower Level Credit
(i.e.: Algebra, Analytic Geometry and Calculus, etc.) 8

Upper Level Credit
(i.e.: Calculus) 8

Part 2 (Probability and Statistics)

Upper Level Credit 3

Total for Associate
(Parts 1 and 2) 19

Part 3

Upper Level Credit
(i.e.: Numerical Analysis and Electives in Quantitative Analysis "Theory of Interest") 6

Part 4

Upper Level Credit

Electives in Insurance
(i.e.: Life Contingencies, Operations Research; Decision Theory; Data Processing) 6

Part 5

Upper Level Credit

Electives in Insurance
(i.e.: Principles of Economics; Theory of Risk and Insurance, Insurance coverages and policy forms) 6
Part 6
Upper Level Credit

Electives in Insurance
(i.e.: Principles of Ratemaking, and Insurance Statistics) 6

Part 7
Upper Level Credit

Electives in Insurance
(i.e.: Insurance accounting; Expense analysis; and Premium, Loss and expense reserves) 6

Totals for Parts 3, 4, 5, 6, and 7 30

Total for Associateship
Parts 1 through 7 49

Part 8
Upper Level Credit

Electives in Insurance
(i.e.: Insurance Law, Supervision, and Regulation and Statutory insurance) 6

Part 9
Upper Level Credit

Electives in Insurance
(i.e.: Advance Ratemaking, and Individual risk rating) 6

Part 10
Upper Level Credit

Electives in Insurance
(i.e.: Operations of insurance companies, Reinsurance, Topics of Current Interest) 6

Totals for Parts 8, 9, and 10 18

Totals for Fellowship
Parts 1 through 10 67
5. National Institute of Credit (N.I.C.)
   Associate Award and Fellow Award

   Associate Award

   Lower Level Credit
   Electives in General or Business Economics
   (i.e.: Principles of Economics I & II,
   Intro. to Business, etc.) 6
   Electives in Accounting
   (i.e.: Principles of Acct. I & II) 6
   Electives in Business or Finance.
   (i.e.: Principles of Credit,
   Principles of Collections, etc.) 3

   Upper Level Credit
   Electives in Business or Finance
   (i.e.: Credit Analysis, Advance Credit
   Analysis, etc.) 3
   Electives in Business
   (i.e.: Report Writing, Business
   Correspondence, etc.) 3

   Total (Associate Award) 21

   Fellow Award

   All of the Associate Award Plus
   six years business experience in
   credit, finance or related fields
   which will be evaluated separately.


   Lower Level Credit
   First Year

   Fundamentals of Management
   (i.e.: Prin. of Economics (macro),
   Intro. to Business, Uniform Commercial
   Code, Consumer Finance Law, Communications,
   Loans & Insurance, Operations, etc.) 6
Second Year

Intermediate Management
(i.e.: Rates, Monetary System, Promotion and Advertising, Sales Finance, Leasing, Office Problems, Public Relations, Communications, etc.) 6

Upper Level Credit 6

Third Year

Advanced Supervisory Management
(i.e.: Personnel Supervision, Operating Performance, Operational Supervision, Financing Arrangements, Policy, Competition and Diversification, etc.) 6

Total 18

7. National Installment Banking School (N.I.B.S.) - University of Colorado

Lower Level Credit 21

First Year

Electives in Business
(i.e.: Consumer Credit, Business Condition, Business Law, Motivation and Management, Mang. of Earning Assets, Statement Analysis, Mang. of Operations, etc.) 9

Second Year

Electives in Business
(i.e.: Current Legal Problems, Acquisition of Capital Resources, Marketing Financial Services, Mang. of Income, Quantitative Analysis, Installment Lending, Leasing, Oral Communication, etc.) 9

Third Year

Electives in Business
(i.e.: Economic Outlook, Manager-Employee Relations, Written Communication, Policy Acquisition of Capital Resources, etc.) 3
Upper Level Credit

Third Year

Electives in Business (i.e.: Money and Capital Markets, Mergers and Acquisitions, Thrift Acquisition and Development, Executive Health; Physical, Exec. Health; Mental, etc.)  6

Total  27

8. American Society for Quality Control
Quality Technician Certificate

Lower Level Credit  3

Principles of Statistics  3

Upper Level Credit  3

Statistical Quality Control  3

Total  6
Appendix 15
MEMORANDUM

To: Provost Kumara Jayasuriya

CC: Dr. Walter Stroupe, Chair, Criminal Justice Department

From: Carol Susman, RBA Program Director

Re: Re-Evaluation of Credit Award for West Virginia State Academy and Basic Curriculum

Date: September 25, 2017

Based upon the written recommendations of Dr. Walter Stroupe, Chair of the Criminal Justice Department, I am proposing the following credit awards for graduates of the West Virginia State Policy Academy Basic Curriculum. These credit recommendations serve to update the current recommendations outlined in the Higher Education Policy Commission’s RBA Handbook and would become effective as of this date. The recommendations are as follows:

**Basic Police Training Course**

- CJS 111 – Law Enforcement Orientation. 3 Credits
- CJS 113 – Police Defense Tactics. 2 Credits
- CJS 122 – Police Arsenal and Weapons. 3 Credits
- CJS 231 – Fundamentals of Criminal Law. 3 Credits
- CJS 233 – Fundamentals of Criminal Investigation. 3 Credits
- CJS 239 – Criminal Procedure. 3 Credits
- CJS 244 – Introduction to Criminalistics. 2 Credits
- CJS 248 – Traffic Administration and Enforcement. 2 Credits

21 Total Credit Hours
State Police Training Course

CJS 111 – Law Enforcement Orientation. 3 Credit
CJS 113 – Police Defense Tactics. 2 Credits
CJS 120 – Patrol Operations and Procedures. 3 Credits
CJS 122 – Police Arsenal and Weapons. 3 Credits
CJS 231 – Fundamentals of Criminal Law. 3 Credits
CJS 233 – Fundamentals of Criminal Investigation. 3 Credits
CJS 235 – Police Organization and Administration. 3 Credits
CJS 237 – Crime and Delinquency. 3 Credits
CJS 239 – Criminal Procedure. 3 Credits
CJS 242 – Community Relations in Criminal Justice. 3 Credits
CJS 244 – Introduction to Criminalistics. 4 Credits
CJS 246 – Criminal Justice Reports. 3 Credits
CJS 248 – Traffic Administration and Enforcement. 3 Credits
CJS 291 – Police Science Internship I. 5 Credits
CJS 292 – Police Science Internship II. 4 Credits
EME 105 – First on Scene. 3 Credits

51 Total Credit Hours

I am attaching Dr. Stroupe’s descriptions of the individual training courses for your review. These courses are currently accepted as community college courses by the Registrar for WVSU’s Criminal Justice Department.

If you agree with the above standardized credit award recommendation, please convey your approval so that I may notify the Registrar. Thank you for your consideration of this recommendation.
Criminal Justice Studies Course Descriptions (Basic Classes)

CJS 111 – Law Enforcement Orientation. 3 Credits.

Philosophy, history, and development of law enforcement in a democratic society. Introduces various law enforcement agencies and their organization and jurisdiction, reviews court processes, orients the student to a law enforcement career, and identifies and explores current trends in the field.

CJS 113 – Police Defense Tactics. 2 Credits.

Demonstration of methods of physical protection from persons armed with dangerous weapons and restraint of prisoners and mentally ill persons. Drills in a limited number of holds and come alongs and training in the use of baton and other special, disarmament, and defensive techniques. A practical application of the methods of self-protection.

CJS 122 – Police Arsenal and Weapons. 3 Credits.

Handling, care and use of firearms in police work. Lectures supplemented by an intensive range program in deliberate, point, and defense shooting.

CJS 231 – Fundamentals of Criminal Law. 3 Credits.

Study of the elements of law and proof in crimes of frequent concern in law enforcement. Rules of criminal liability; elements of specific, commonly violated laws; and development and application of local, state, and federal laws.

CJS 233 – Fundamentals of Criminal Investigation. 3 Credits.

Analysis of theory and techniques of an investigation, conduct at crime scenes, collection and preservation of physical evidence and testing employed by the police science laboratory. Emphasizes fingerprints, ballistics, documents, serology, photography, crime scenes and duties of a criminal investigator.

CJS 239 – Criminal Procedure. 3 Credits.

Study of the rules of evidence at the operational level in law enforcement and criminal procedure in such areas as arrest, force, search and seizure, collection of evidence and discretion. Rules and types of evidence, constitutional law and criminal procedure most often affecting police personnel.
CJS 244 – Introduction to Criminalistics. 2 Credits.

Scientific aspects of criminal investigation. The role of the crime laboratory in the law enforcement organization, the value of physical evidence, and the need for understanding scientific crime detection. Emphasis on recording the crime scene; collection, identification, preservation and transportation of evidence and techniques of examining physical evidence.

CJS 248 – Traffic Administration and Enforcement. 2 Credits.

History, development, and economics of the modern transportation system. Coping with traffic problems to include use of modern technology in accident investigation and reporting. Police responsibilities as they relate to traffic engineering, education, enforcement, and enactment.

21 total credit hours

Criminal Justice Studies Course Descriptions (Cadet Classes)

CJS 111 – Law Enforcement Orientation. 3 Credits.

Philosophy, history, and development of law enforcement in a democratic society. Introduces various law enforcement agencies and their organization and jurisdiction, reviews court processes, orients the student to a law enforcement career, and identifies and explores current trends in the field.

CJS 113 – Police Defense Tactics. 2 Credits.

Demonstration of methods of physical protection from persons armed with dangerous weapons and restraint of prisoners and mentally ill persons. Drills in a limited number of holds and come alongs and training in the use of baton and other special, disarmament, and defensive techniques. A practical application of the methods of self-protection.

CJS 120 – Patrol Operations and Procedures. 3 Credits.

Covers the duties, extent of authority, and responsibilities of a uniformed law enforcement officer. Patrol philosophy and practices are outlined, and field techniques and their practical application are presented.

CJS 122 – Police Arsenal and Weapons. 3 Credits.

Handling, care and use of firearms in police work. Lectures supplemented by an intensive range program in deliberate, point, and defense shooting.

CJS 231 – Fundamentals of Criminal Law. 3 Credits.
Study of the elements of law and proof in crimes of frequent concern in law enforcement. Rules of criminal liability; elements of specific, commonly violated laws; and development and application of local, state, and federal laws.

CJS 233 – Fundamentals of Criminal Investigation. 3 Credits.

Analysis of theory and techniques of an investigation, conduct at crime scenes, collection and preservation of physical evidence and testing employed by the police science laboratory. Emphasizes fingerprints, ballistics, documents, serology, photography, crime scenes and duties of a criminal investigator.

CJS 235 – Police Organization and Administration. 3 Credits.

Principles of organization and management of law enforcement agencies. Concepts of organizational behavior and an understanding of the departmental planning process. The role of and components involved in responsible planning and executing procedures related to personnel, equipment budget, records, communications, and management.

CJS 237 – Crime and Delinquency. 3 Credits.

Study of the development and causes of criminal behavior, social deviancy and crime. Criminological theories and the extent, variation and patterns of crime. Crime prevention techniques and specific pathological problems related to enforcement. Individual personality differences and their relationships to crime as well as recognizing and handling emotionally and mentally disturbed persons. (PR: CJS 101)

CJS 239 – Criminal Procedure. 3 Credits.

Study of the rules of evidence at the operational level in law enforcement and criminal procedure in such areas as arrest, force, search and seizure, collection of evidence and discretion. Rules and types of evidence, constitutional law and criminal procedure most often affecting police personnel.

CJS 242 – Community Relations in Criminal Justice. 3 Credits.

General orientation to the concepts of criminal justice professionals and community relations and the need to establish good working relations between them and the public. Offers an understanding of the complex factors involved in human relations: the nature of prejudice and discrimination, its effects, the interactions of changing society, the requirements of individual rights, the maintenance of peace and order and the changing police role.

CJS 244 – Introduction to Criminalistics. 4 Credits.

Scientific aspects of criminal investigation. The role of the crime laboratory in the law enforcement organization, the value of physical evidence, and the need for understanding
scientific crime detection. Emphasis on recording the crime scene; collection, identification, preservation and transportation of evidence and techniques of examining physical evidence.

CJS 246 – Criminal Justice Reports. 3 Credits.

Comprehensive familiarization with types and functions of criminal justice records, the role of research in the planning process and establishment and administration of a record bureau in criminal justice agencies. Includes form records, analysis and report writing; role and use of uniform crime reporting system forms and essential data required. Review of electronic data processing and the computer as related to criminal justice planning and operation.

CJS 248 – Traffic Administration and Enforcement. 3 Credits.

History, development, and economics of the modern transportation system. Coping with traffic problems to include use of modern technology in accident investigation and reporting. Police responsibilities as they relate to traffic engineering, education, enforcement, and enactment.

CJS 291 – Police Science Internship I. 5 Credits.

This course is designed to blend classroom education with practical experience. Students will apply law enforcement theory in real life situations by performing patrols, investigating accidents and crime scenes, writing reports, and providing written and verbal evidence in courts of law. Interns must complete the on-the-job training under the supervision of a law enforcement officer.

CJS 292 – Police Science Internship II. 4 Credits.

This course is designed to blend classroom education with practical experience. Students will apply law enforcement theory in real life situations by performing patrols, investigating accidents and crime scenes, writing reports, and providing written and verbal evidence in courts of law. Interns must complete the on-the-job training under the supervision of a law enforcement officer.

EME 105 – First on Scene. 3 Credits.

This course is designed to teach the student to manage a medical/trauma emergency until other EMS personnel arrive. An emphasis is placed on victim/patient stabilization using supplies available to the layperson.

51 total credit hours
MEMORANDUM

TO: Provost Floyd Bel Anderson

COPIES TO: Profs C. Burris, P. Crawford, V. Edwards, J. Moore and Registrar J. Fuller

FROM: Dr. Harry V. Scott

RE: Re-Evaluation of credit award for State Police Cadet Training Program (SPCTP)

DATE: October 24, 1979

Based upon written recommendations from the four department chairpersons named above, I am recommending that the credit award for graduates of the Cadet Program (SPCTP) be as follows (from this date):

A. Criminal Justice
   CJ 106 Firearms 1 credit
   CJ 201 Police Operations 3 credits
   CJ 205 Laws of Arrest, Search & Seizure 3 credits
   CJ 213 Accident Investigations 3 credits
   CJ 301 Criminalistics 4 credits
   CJ 303 Court Procedures 4 credits
   CJ 366 Traffic Administration & Enforcement 3 credits
   21 Total

B. English
   English 112 Technical Writing 3 credits

C. HPERs
   HPERs 470 Emergency Medical Tech. Training 4 credits

D. Psychology
   Psychology 321 Special Topics 3 credits

In the event you agree with this change of credit award, please notify Registrar Fuller of your approval. It would be helpful if a copy of your action were sent to each chairperson and to me. Thank you.
MEMORANDUM

TO: Professor James F. Moore, Chairman, Department of Criminal Justice

COPIES TO: Professor Arthur Burris, Chairman, Department of HRERS;
Dr. Virginia Edwards, Chairperson, Department of English;
Dr. Paul Crawford, Chairman, Department of Psychology;
Provost Floydelh Anderson

FROM: Dr. Harry V. Scott, Coordinator Nontraditional Programs

RE: Credit Award for the State Police Academy's Cadet Training Program

DATE: September 19, 1979

As agreed, I have completed an analysis of the curriculum of the Cadet Training Program offered at the Department of Public Safety for all prospective State Police officers. In our earlier discussion we had agreed that the current credit award for this substantial training program was embarrassingly small, particularly in view of the fact that Marshall University has accredited the same program for 51 credit hours. You will note that I am sending copies of this memorandum to several department heads whose cooperation I am hereby seeking in the re-accreditation of the Cadet Program.

As you will recall, the Cadet Program entails nearly 1100 class hours. While the bulk of these are in topics related to police science and the criminal justice system, there are some courses which fall into other academic disciplines. I am therefore recommending that we consider the following proposal:

1. The award of four (4) credit hours in Physical Education for the Emergency Medical Training Program, a component part of Cadet Training Program. Mr. Burris is completely familiar with this program, so it is not necessary for me to share printed material with him. I am hereby seeking his agreement to award those credits (as a credential award) to graduates of the State Police Academy.

2. The award of three (3) credits in Psychology, based on a whole series of topics that fall within the allied areas of the Psychology field. Dr. Crawford is most familiar with that training program, so it is not necessary to share printed materials with him. I am hereby asking his agreement for an award of three (3) credits of his choosing in Psychology.
2. The formula stated above and the specific course awards shown below replace the earlier award of (16) credit hours. The new formula shall apply to all officers whose credentials are accredited following the date of this memorandum.

3. Any officer seeking an evaluation of his/her training program for credits should bring to the interview a copy of the curriculum of the training program and a proof of graduation. Every attempt will be made to award the maximum number of credits to which any officer is entitled.

4. Receiving a credit award for an SPCTC diploma does not prevent any officer from seeking an additional credit award in the Regents BA degree program based on a portfolio of learning and experience following graduation from SPCTC.

5. The credit award shown below is subject to the following limitations:

   a. total number of training hours in the actual SPCTC program attended;
   b. relationship of the actual training program to the English and HPER courses listed and;
   c. college courses for which the officer already has credit.

   **Specific Courses & Credits Awarded (Maximum)**

   Based upon recommendations from the four departments listed below and upon agreement from the Provost of Academic Affairs, WVSC will award the following course credits to graduates of the SPCTC, subject to all limitations stated elsewhere in this memorandum:

   A. Criminal Justice
      - CJ 106 Firearms 1 credit
      - CJ 201 Police Operations 3 credits
      - CJ 205 Laws of Arrest, Search & Seizure 3 credits
      - CJ 213 Accident Investigations 3 credits
      - CJ 301 Criminalistics 4 credits
      - CJ 303 Court Procedures 4 credits
      - CJ 366 Traffic Administration & Enforcement 3 credits
      21 Total

   B. English 112 Technical Writing 3 credits

   C. HPER 470 Emergency Medical Tech. Training 4 credits

   D. Psychology 321 Special Topics 3 credits
MEMORANDUM

TO: Graduates of the State Police Cadet Training Course (SPCTC)
FROM: Harry V. Scott, Ed. D., Coordinator of Regents BA Degree Program
DATE: October 29, 1979
RE: Re-evaluation of college credit award for (SPCTC)

Resolution to Change Credit Award for SPCTC

1. Whereas it has been determined that the SPCTC is of good academic quality and that college credits should be awarded to its graduates;

2. Whereas an earlier evaluation of the SPCTC for sixteen (16) college credits has been considered too small an award for the program;

3. Whereas graduates of the most recent sessions of the SPCTC have received fifty-one college hours from Marshall University for their training program;

4. And, whereas training programs of earlier years did not differ greatly in the number of training hours required of students;

5. Be it therefore resolved that the award of credits to those earlier graduates of the SPCTC be increased in line with the formula and the limits described below.

Formula and Standards for Crediting SPCTC

1. Graduates of the SPCTC may receive a maximum of thirty-one (31) semester hours for their training program. This is based on an analysis of the program now in effect, a program which requires approximately 1,100 training hours. Since earlier programs required fewer training hours, it is probable that an individual who completed the SPCTC prior to 1978 will receive a slightly smaller award than thirty-one semester hours. In general the equivalency formula will be (30-35) hours of training time for each semester hour awarded.
CREDIT RECOMMENDATIONS FOR STATE POLICE ACADEMY TRAINING

The following recommendations have been made by faculty from the Marshall Community College for the training received by the state troopers from 1953 through 1977:

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<th>Class Dates</th>
<th>No. Credits (lower div.)</th>
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<td>07-19-70 - 01-07-71</td>
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<td>09-28-75 - 03-12-76</td>
<td>41</td>
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</tbody>
</table>

Hours earned at the Academy after these dates are on a Marshall transcript and can be used as transfer credits.

Barbara James

April 1, 1996
Appendix 16
DATE: November 14, 2017

TO: Program Coordinators: Regents Bachelors of Arts and Board of Governors A.A.S. Degree

FROM: Ruth Jacobs, MT (ASCP), BVCTC MLT Program Director, Allied Health Chair

RE: Medical Laboratory Technology Program A.A.S. Degree

The Medical Laboratory Technology program of study at BridgeValley Community and Technical College has been reviewed by Ruth Jacobs, MLT Program Director and Allied Health Chair, and the awarding of the following credits are recommended:

- MLAB 100 Introduction to Clinical Laboratory Science ........................................ 2
- MLAB 200 Clinical Hematology ........................................................................... 4
- MLAB 201 Clinical Biochemistry ......................................................................... 4
- MLAB 202 Clinical Immunohematology ................................................................. 4
- MLAB 203 Clinical Microbiology .......................................................................... 4
- MLAB 205 MLT Seminar (capstone) ...................................................................... 1
- MLAB 206 MLT Clinical Practicum ....................................................................... 12
- MLAB 207 Coagulation, Serology and Urinalysis .................................................. 3
- MLAB 208 Mycology and Parasitology .................................................................. 1

TOTAL 35

I have attached a copy of the WV state licensure that a person obtaining this degree and passing a national certification exam (administered by the American Society of Clinical Pathologists Board of Certification) would be deemed qualified for.

If you have any further questions please do not hesitate to call or email me. (Ruth Jacobs 304-205-6654 / Email: ruth.jacobs@bridgevalley.edu)
CINDY CHAPPEL

OFFICE OF LABORATORY SERVICES

AS DEFINED IN WEST VIRGINIA HEALTH LEGISLATIVE RULE 64-CSR-57 (1998).

QUALIFIES AS A

CLINICAL LABORATORY PRACTITIONER

IN THE FOLLOWING CATEGORY:

LABORATORY TECHNICIAN

DATE ISSUED, RENEWED ANNUALLY

9/1/2017

LICENSE #: 11126

COMMISSIONER, BUREAU FOR PUBLIC HEALTH

WEST VIRGINIA

DEPARTMENT OF

HEALTH & HUMAN

RESOURCES

BUREAU FOR PUBLIC HEALTH
Date: February 27, 2007

To: Program Coordinators: Regents Bachelors of Arts and Board of Governors A.A.S. Degree

From: Dr. Rosemarie Romesburg

RE: Medical Laboratory Technologist

The Medical Laboratory Technologist program of study has been reviewed by Dr. Rosemarie Romesburg, Chair of Health Careers and Coordinator of Medical Laboratory Technology and Laboratory Assistant at Fairmont State. She recommends the awarding of the following credits:

- HLCA 1105 Phlebotomy Theory.........................................................................................1
- MLAB 1103 Clinical Serology...........................................................................................2
- MLAB 1104 Urinalysis & Body Fluids...............................................................................2
- MLAB 1105 Lab Math & Instrumentation...........................................................................3
- MLAB 1160 Clinical Microbiology 1..................................................................................4
- MLAB 1180 Immunohematology......................................................................................4
- MLAB 2218 Clinical Hematology......................................................................................4
- MLAB 2219 Clinical Microbiology 11..............................................................................4
- MLAB 2220 Clinical Biochemistry....................................................................................4
- MLAB 2221 Clinical Practicum I........................................................................................4
- MLAB 2222 Clinical Practicum II.......................................................................................4
- MLAB 2223 Clinical Practicum III....................................................................................4
- MLAB 2224 Clinical Practicum IV....................................................................................4

Total 44
Appendix 17
October 8, 2008

TO: Mark Stotler  
Higher Education Policy Commission

FROM: Carol Hando, Coordinator  
WVU Regents Bachelor of Arts Program

SUBJ: Standardized Awards for Professional Schools

As part of the re-evaluation of standardized awards offered to Regents Bachelor of Arts students, I was asked to contact the professional schools at WVU to determine whether the following awards where still viable:

The criteria reads:

"...that doctors, dentists, or lawyers be permitted to count their first year credits of professional school towards completion of their Regents B.A. Degree if they meet the following:

1) During their college years before entering either medical, dental or law school they had completed at least 90 credit hours.

2) If they do not have 90 credit hours, they will attain this number via College Equivalent Credit or course work.

3) They meet all other Regents B.A. Degree requirements.

I contacted the following administrators in these schools and received the following information:

**WVU School of Law**
Marjorie Anne McDiarmid  
Associate Dean, Academic Affairs

Professor McDiarmid stated that students are not accepted in the School of Law without first obtaining the undergraduate degree and this situation would not apply to their students. Also, she was not comfortable making a determination for other schools should they accept students without an undergraduate degree.
WVU School of Dentistry
Dr. Christina DeBiase,
Associate Dean for Academic Affairs

Dr. DeBiase met with the dean of the school of dentistry and they agreed continue this award of credit for dentistry students. She stated the dean was aware of this program and felt it was beneficial to their students.

WVU School of Medicine
Norman D. Ferrari III, M.D.
Senior Associate Dean for Medical Education

Dr. Ferrari has agreed to continue this award also. He stated this is helpful to students who may be unable to complete their medical degree for some reason. The RBA program would allow them to at least complete their undergraduate program.

It is therefore recommended the standardized awards for medical and dental student be continued while law students would need to petition on an individual basis.
MEMORANDUM

TO: REGENTS B. A. DEGREE PROGRAM COORDINATORS

FROM: JOHN C. WRIGHT, VICE CHANCELLOR AND DIRECTOR OF ACADEMIC AFFAIRS

SUBJECT: CREDIT TOWARD THE REGENTS B. A. DEGREE FOR WORK IN PROFESSIONAL SCHOOLS

Please add the following to your Coordinators' Handbook of Policies and Procedures.

At its regular meeting on October 20, 1977, the Academic Affairs Advisory Committee discussed the proposal made by J. S. Martha Howard and J. S. Betsy Hobbs, Coordinator and Assistant Coordinator of the Regents B. A. Degree program at West Virginia University, "that doctors, dentists, or lawyers be permitted to count their first year credits of professional school towards completion of their Regents B. A. Degree if they meet the following:

1. During their college years before entering either medical, dental or law school they had completed at least 90 credits.

2. If they do not have 90 credits, they will attain this number via College Equivalent Credit or coursework.

3. They meet all other Regents B. A. Degree requirements.

The Committee endorsed the proposal, with the following change: that the list of professional schools be extended and clarified to include Schools of Veterinary Medicine, Schools of Podiatric Medicine, Schools of Optometry and Colleges of Osteopathic Medicine.

JOW:ih
cc: Academic Affairs Advisory Committee
The credits being transferred must be for course work that is equivalent in credit hours, content and quality to that of the admitting program or institution.

Only credits with a grade of "C" (2.0 on a 4.0 scale) or better are considered for transfer.

Transfer credits must be earned within five years of the date of admission to the admitting program or institution. The program or institution may elect to waive this requirement for persons holding a first professional degree in the health care sciences (e.g., M.D., D.O., D.D.S., D.P.M.) or an academic degree (M.A., M.S., Ph.D.) in a related discipline (e.g. Biology, Zoology, Physiology) from an accredited institution.

Credits used to satisfy the minimum prerequisites for admission must not be used for advanced placement credit.

Non-clinic-related academic courses may be awarded advanced standing or transfer credit in the doctoral program only if they were taken at the master's degree level or higher.

To be eligible for transfer of credits, applicants from foreign chiropractic, medical, osteopathic or dental institutions located in countries that do not have an accreditation system equivalent to that of the United States must submit evidence of proficiency in all work submitted for advance standing credit.

Where can I get more information?

For college catalogs or further information on admissions requirements, pre-professional curricula, grants and other financial aid, please correspond directly with the admissions office of the CCE-accredited program or institution in which you are interested. Contact the National Board of Chiropractic Examiners regarding required examinations at http://www.sni.net/nbce. Chiropractic licensing boards in all states and the District of Columbia recognize graduates from CCE-accredited programs and institutions as having partially fulfilled the requirements for state licensure. Most state licensing boards require graduation from a CCE-accredited program or institution. Specific questions concerning licensure should be directed to the Federation of Chiropractic Licensing Boards http://www.fclb.org

CCE-AccREDITed Programs and Institutions

Cleveland Chiropractic College of Kansas City
6401 Rockhill Road
Kansas City, MO 64131
(816) 510-0100 (800) 466-2252
Website: www.clevelandchiropractic.edu

Cleveland Chiropractic College of Los Angeles
590 North Vermont Avenue
Los Angeles, CA 90004
(323) 660-6166 (800) 466-2252
Website: www.clevelandchiropractic.edu

Life University School of Chiropractic
1269 Barclay Circle
Marietta, GA 30060
(770) 426-2601 (800) 543-3202
E-mail: EXEC@life.edu
Website: www.life.edu

Life Chiropractic College West
P.O. Box 367, 2005 Via Barrett
San Lorenzo, CA 94580
(510) 276-9013 (800) 788-4476
E-mail: info@lifewest.edu
Website: www.lifewest.edu

Logan College of Chiropractic
P.O. Box 1065, 1851 Schoettler Road
Chesterfield, MO 63006-1065
(636) 227-2100 (800) 533-9210
E-mail: loganadm@logan.edu
Website: www.logan.edu

Los Angeles College of Chiropractic
P.O. Box 1166, 16200 E. Amber Valley Drive
Whittier, CA 90609-1166
(562) 947-8755 (800) 221-5222
E-mail: lacc@lacc.edu
Website: www.LACC.edu

The National College of Chiropractic
200 E. Roosevelt Road
Lombard, IL 60148-4583
(630) 629-2000 (800) 826-6285
Website: www.national.chiropractic.edu

New York Chiropractic College
P.O. Box 800, 2360 State Route 89
Seneca Falls, NY 13148-0800
(315) 568-3000 (800) 234-6922
E-mail: enrolnow@NYCC.edu
Website: www.NYCC.edu

Northwestern College of Chiropractic
2501 West 84th Street
Bloomington, MN 55431
(612) 888-4777 (800) 888-4777
E-mail: admit@nwchiro.edu
Website: www.nwchiro.edu

Palmer College of Chiropractic
1000 Brady Street
Davenport, IA 52803
(319) 884-5000 (800) 722-2586
E-mail: pchadm@palmer.edu
Website: www.palmer.edu

Palmer College of Chiropractic West
90 East Tasman Drive
San Jose, CA 95134
(408) 944-6000 (800) 442-4476
E-Mail: martin_p@palmer.edu
Website: www.palmer.edu

Parker College of Chiropractic
2500 Walnut Hill Lane
Dallas, TX 75229-5668
(972) 438-6932 (800) 438-6932
Website and E-Mail: www.parkercc.edu

Sherman College of Straight Chiropractic
The Council on Chiropractic Education (CCE)

P.O. Box 1452
Spartanburg, SC 29304
2020 Springfield Road
Spartanburg, SC 29316
(864) 578-8770 (800) 849-8771
E-mail: admissions@sherman.edu
Website: www.sherman.edu

Texas Chiropractic College
5912 Spencer Highway
Pasadena, TX 77505-1699
(281) 487-1170 (800) 468-6839
Website: www.txchiro.edu

University of Bridgeport College of Chiropractic
75 Linden Avenue
Bridgeport, CT 06601
(203) 576-4348 (888) 822-4476
Website: www.bridgeport.edu/chiro

Western States Chiropractic College
2900 N.E. 132nd Avenue
Portland, OR 97230
(503) 256-3180 (800) 641-5641
E-mail: admissions@wschiro.edu
Website: www.wschiro.edu
Appendix 18
November 18, 2002

Mark—

As I mentioned earlier, the Supreme Court of Appeals has changed its policy to again allow Magistrates to take the Magistrate exams and have them individually evaluated (on a pass/fail basis). (Those who do not make this request, will not get individual evaluation.) The scores are kept confidential but can be certified to by the Magistrate Court in the event any of the Magistrates want to earn RBA standardized credit for their participation in the training sessions. It was only by accident I found out about this change, and subsequently asked that we be officially informed about the revised policy. The accompanying letter from Kathleen Gross is our official notice. This means that credit (1.5 credits per session) can continue to apply to Magistrates who request exam grading except for the year 2001 when no individual scores were reported. Any student seeking standardized credit will have to ask the Court to certify that the exams were passed in the years (other than 2001) under consideration.

I would recommend that you send out word of this policy change by the Magistrate Court in case it affects any current students. Since this is reinstatement of an old approved policy I doubt it will be controversial. We can officially approve the change at our April meeting. (If, however, you are in the process of updating the list of awards, you might just ask for a yes/no vote by e-mail so you can get this change in.)

Ann Paterson
WVU-RBA
Ann Paterson, Ph.D.
Regents BA Coordinator
West Virginia University
2101 Armstrong Hall
P.O. Box 6289
Morgantown, WV 26506-6289

Re: Testing for Magistrates

Dear Dr. Paterson:

In your 15 March 2002 letter, you correctly outlined the history of testing at the conclusion of the Magistrate Conferences. Based on these competency assessments, the Regents program awarded standardized credit of 1.5 credits per session for the 1984-2000 period. In 2001, the Court’s testing procedure changed to focus on course evaluation and individual scoring was ended. Based on your letter, the Court changed policy to allow individual scoring for those who wished or might wish Regents credit for the conferences.

I am pleased to report that several magistrates requested individual test scoring at this year’s conference. The results remain confidential. If a magistrate seeks Regents credit, with the magistrate’s permission, the test results (pass/fail) will be provided.

It is the Court’s policy to encourage all members of the judicial branch to become as informed and prepared as possible. If you need additional information about the policy or the testing procedures, please feel free to contact me directly. Please contact me for test information. I enjoyed speaking with you last week and hope this letter addresses your concerns.

Sincerely,

Kathleen S. Gross
Deputy Director of Judicial Education

KSG/mg

cc: David Bissett
Mark Stotler

From: Ann Paterson [apaterso@wvu.edu]
Sent: Friday, September 21, 2001 12:26 PM
To: Mark Stotler
Cc: holbrook@marshall.edu
Subject: Magistrate Training Credit

Mark--

Suggested agenda item for the Oct 19 meeting (which I won't attend).

When I attended the Magistrate Training session on September 12, it turned out the "big news" was the decision announced by Chief Justice McGraw to no longer require testing of the Magistrates for the training sessions they are required to take every year. (This had been lobbied for by the magistrates themselves and was clearly a popular decision.) In effect this means that the magistrate training is like a Continuing Education program for which the RBA program does not ever give credit. I was also told that the Chief Justices split on this recommendation--some suggesting that it would "diminish the public trust in magistrates." I should also note that the testing program will continue--i.e. magistrates will be required to take the test, but no one will be "graded" as the tests will be anonymous--test results will be used diagnostically to identify materials not well presented etc.

I was told that the magistrate training sessions have been tested for 15 years, which at 1.5 units per training session would in theory mean a possible 24 cec hours for long-time attenders. (These are not duplicate sessions as every magistrate must go every year to get updated on new administrative and legal matters.) I hadn't really thought about the need to put a limit on the total credit award, because I did not understand that this was an every year event with new content.

Anyway, my recommendation would be that we amend our credit award to make it valid for years 1984-2000 (when testing was done), and that we set a max of 18 hours of credit. The max might be something the whole group will want to debate. I picked that number as it's a semester max at WVU for "professional field experience." This means a total of 12 sessions attended during the period when testing was done. It also seemed to be enough credit to be a significant motivator. The Court is clearly trying to encourage the magistrates to get further education and is willing to pay for tuition for this--but not the "registration fees." (This may refer to all those special fees specific universities require such as our new rec fee.) I didn't determine if the portfolio fee would be paid by the Court.

At some point we would need to inform the Court of our decision--I will be glad to write such a letter as I had the original correspondence with them. As the Chief Justice position rotates every year, it is also possible that under a different Chief Justice a decision will be made to reinstate the testing depending on public reaction--and perhaps on withdrawal of credit.

I'm copying this to Dan who may have further comments based on his attendance at the other magistrate training session.

Ann
November 10, 1999

To: Mark Stotler, Central Office

From: Ann Paterson, RBA Coordinator, WVU

Re: Updating the Magistrate Training Credit Award

Enclosed is the original copy of the letter from Richard Rosswurm, Chief Deputy of the Supreme Court of Appeals. Dr. Rosswurm has provided the most recent training schedule for the magistrates which is essentially the same as the one we received in 1990. A copy of the training program for Fall 1999 is enclosed.

The Magistrate Training Program is essentially a 15 hour program for which credit of 1.5 hours is currently being awarded. It is unclear from his letter what Dr. Rasswurm is recommending, either 1 credit total or 1 credit for "each program" --there are 6 instructors involved in the training program but 6 credits appears unreasonable.

Given the difficulty of using fractions in most computers, I recommend that we award either 1 or 2 credits for the Magistrate Training Program. Given the historical award of 1.5 credits, it may be politically difficult to "round down"; personally I have no problem with the higher award. In any case, the training program is viable and this standardized award should be continued.
19 October 1999

Dr. Ann Patterson  
Director, RBA Program  
West Virginia University  
P.O. Box 6289  
Morgantown, WV 26506-6289  

Dear Dr. Patterson:

Enclosed is a copy of our most recent training program schedule, as you requested. This schedule is typical of our programs for all magistrates. We do not require any pre-training readings or make any post-training assignments.

I have no recommendation regarding the amount of credit that should be awarded, except that the quality of each program should merit at least one credit.

If I might be of further assistance, please let me know.

Sincerely,

Richard Rosswurm, Ph.D., J.D.  
Chief Deputy  
and Administrative Counsel  

RR/mg  
Enclosure
## 1999 MAGISTRATE CONFERENCE: Parkersburg Holiday Inn

**First Week: 15-17 September 1999**

Registration: 11:30 a.m. - 1:00 p.m., September 15  
Magistrate Association Meeting: 5:30 p.m., September 15

<table>
<thead>
<tr>
<th>Wednesday, September 15</th>
<th>Group A</th>
<th>Group B</th>
<th>Group C</th>
<th>Group D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 - 3:10</td>
<td>FAMILY VIOLENCE: THE LAW</td>
<td>1:30 - 5:00</td>
<td>1:30 - 3:10</td>
<td>1:30 - 5:00</td>
</tr>
<tr>
<td>3:20 - 5:00</td>
<td>FAMILY VIOLENCE: THE PEOPLE</td>
<td>EVIDENCE</td>
<td>LEGISLATION; JUVENILE</td>
<td>ENFORCEMENT OF JUDGMENTS; BAIL FORMS</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Thursday, September 16 [Morning]</th>
<th>Group A</th>
<th>Group B</th>
<th>Group C</th>
<th>Group D</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45 - 12:15</td>
<td>ENFORCEMENT OF JUDGMENTS; BAIL FORMS</td>
<td>8:45 - 10:25</td>
<td>8:45 - 12:15</td>
<td>8:45 - 10:25</td>
</tr>
<tr>
<td>FAMILY VIOLENCE: THE LAW</td>
<td>10:35 - 12:15</td>
<td>EVIDENCE</td>
<td>LEGISLATION; JUVENILES</td>
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<td>FAMILY VIOLENCE: THE PEOPLE</td>
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<table>
<thead>
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<th>Thursday, September 16 [Afternoon]</th>
<th>Group A</th>
<th>Group B</th>
<th>Group C</th>
<th>Group D</th>
</tr>
</thead>
<tbody>
<tr>
<td>1:30 - 5:00</td>
<td>EVIDENCE</td>
<td>1:30 - 5:00</td>
<td>1:30 - 3:10</td>
<td>1:30 - 3:10</td>
</tr>
<tr>
<td>ENFORCEMENT OF JUDGMENTS; BAIL FORMS</td>
<td>FAMILY VIOLENCE: THE PEOPLE</td>
<td></td>
<td></td>
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<tr>
<td>FAMILY VIOLENCE: THE PEOPLE</td>
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</table>

<table>
<thead>
<tr>
<th>Friday, September 17</th>
<th>Group A</th>
<th>Group B</th>
<th>Group C</th>
<th>Group D</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45 - 10:25</td>
<td>LEGISLATION; JUVENILES</td>
<td>8:45 - 10:25</td>
<td>8:45 - 12:15</td>
<td>8:45 - 12:15</td>
</tr>
<tr>
<td>10:35 - 12:15</td>
<td>ETHICS</td>
<td>10:35 - 12:15</td>
<td>ENFORCEMENT OF JUDGMENTS; BAIL FORMS</td>
<td>EVIDENCE</td>
</tr>
</tbody>
</table>

**FRIDAY TEST: 12:30 to 1:30; participants divided by preference of smoking or non-smoking room.**

**Scheduled Breaks:** Morning, 10:25 to 10:35; Afternoon, 3:10 to 3:20
1999 Magistrate Conference: Courses & Instructors

Ethics ............................................... Skip Garten
Judicial Investigation Commission

Evidence ............................................... Judge O.C. Spaulding
Chief Circuit Judge, 29th Judicial Circuit

Legislative Changes; Juvenile Law ......................... Richard Rosswurm
Supreme Court Administrative Office

Dealing with the People in Domestic Violence Cases ............ Sue Julian or Diane Reese
WV Coalition Against Domestic Violence

Domestic Violence Law ................................ Peggy Rash
Supreme Court Administrative Office

Enforcement of Judgments; Bail Forms ..................... Leslie Anderson
Supreme Court Administrative Office
MEMORANDUM

TO: Ms. Barbara James, Chair, RBA Degree Subcommittee, Marshall University

FROM: Dr. Robert R. Smith, Director, West Virginia Institute of Justice Studies, UWVCOGS.

RE: College Credit for West Virginia Magistrate Training in July 1990.

DATE: January 18, 1991

For those West Virginia magistrates who successfully participated in training sessions, 17-20 July or 23-26 July 1990, at Oak Hill, West Virginia, and who wish to apply that training to portfolio preparation for their RBA degrees, I recommend that they receive 1.5 semester hours of upper level credit. The magistrates had slightly more than 22.5 contact hours of instruction (inclusive of working lunches). A copy of the 17-19 July session is enclosed for reference; the 23-26 July session, attended by a different group of magistrates, was identical.

RRS/ma

Encl.

cc: Dr. Richard H. Rosswurm, Deputy for Judicial Education, WV Supreme Court of Appeals
In order to enroll in self-study courses, the user must complete an Information Services Training Request Form and submit it to the Information Center.

We currently have four instructors in the Information Center. They all have four-year degrees from accredited institutions. I am the Training Coordinator for the I/C and have a D.S. degree in Business Education.

If you need additional information, I may be reached at 357-3400.

I look forward to hearing from you soon.

Sincerely,

Wanda C. Vaden

ACRONYM DEFINITIONS

CMS - Conversational Monitoring System
DBEDIT - Database Edit
IS - Information Services
PROFS - Professional Office System
QMF - Query Management Facility
REXX - Restructured Extended Executor Language
SAS - Statistical Analysis System
XMENU - Executable Menu
10 January 1991

Dr. Robert R. Smith  
WVU College of Graduate Studies  
Institute, West Virginia 25112

Dear Bob,

It has come to my attention that I overlooked providing you the July 1990 magistrate education program for assessment and approval of credit in R.B.A. curricula. Enclosed is the program for the first session; the topics for the second session, 23-26 July 1990, were identical. The only duplication would be the half-day workshop (all on DUI) which were topics for the magistrates completing the Fall 1984 program. The instructors for the quarter-day workshops were staff attorneys from the Supreme Court Administrative Office. The instructors for the half-day workshops were attorneys or judges on the faculty of the American Academy of Judicial Education.

Since one of our magistrates (who did not attend the fall 1984 program) is now preparing her portfolio and requesting credit for the July 1990 program, it would be helpful if you could submit your recommendation for credit as soon as possible, with a copy to me. Thanks in advance.

Cordially,

Richard Rosewurm  
Deputy for Judicial Education

RR/mg

Enclosure

cc: Magistrate Emily Bradley
MAGISTRATE EDUCATION CONFERENCE - FIRST SESSION
HOLIDAY INN, OAK HILL
17-20 July 1990

PROGRAM

TUESDAY
11:00 - 1:30  Registration
1:30 - 4:45  WORKSHOPS
(Coffee break: 3:00 - 3:15)
Group 1, 2: Recent Developments in the Law and Legislative Update (Stoneking)
Group 3, 4: Special Topics (Rosswurm)

WEDNESDAY
9:00 - 12:15  WORKSHOPS
(Coffee break: 10:30 - 10:45)
Group 1, 2: Special Topics (Rosswurm)
Group 3, 4: Recent Developments in the Law and Legislative Update (Stoneking)

12:15 - 1:30  LUNCH
1:30 - 4:45  WORKSHOPS
(Coffee break: 3:00 - 3:15)
Group 1: Pretrial Issues in DUI Cases
Group 2: How to Try a DUI Case
Group 3: Evidence Basics for DUI
Group 4: Pleas and Sentences

THURSDAY
9:00 - 12:15  WORKSHOPS
(Coffee break: 10:30 - 10:45)
Group 1: Pleas and Sentences
Group 2: Pretrial Issues in DUI Cases
Group 3: How to Try a DUI Case
Group 4: Evidence Basics for DUI
12:15 - 1:30       LUNCH
1:30 - 4:45       WORKSHOPS
(Coffee break:    Group 1:   Evidence Basics for DUI
    3:00 - 3:15)  Group 2:   Pleas and Sentences
                          Group 3:   Pretrial Issues in DUI Cases
                          Group 4:   How to Try a DUI Case

6:30              BANQUET

FRIDAY
9:00 - 12:15       WORKSHOPS
(Coffee break:    Group 1:   How to Try a DUI Case
    10:30 - 10:45)  Group 2:   Evidence Basics for DUI
                          Group 3:   Pleas and Sentences
                          Group 4:   Pretrial Issues in DUI Cases
12:15 - 1:15       LUNCH
1:15 - 2:15        Test
January 7, 1991

Richard H. Rosswurm
Director of Judicial Education
Administrative Office
E-402 State Capitol
Charleston, WV 25305

Dear Richard:

Enclosed please find my application for tuition reimbursement for the spring term class at WVUP. Also enclosed is a copy of my final grades for classes completed December 10, 1990, at WVUP.

I will be forwarding expense account sheet and proof of payment of tuition later on this week if this is approved.

Could you please send me information as to the amount of credit hours we receive for the July, 1990, classes so that I can forward it on to Mr. Meads.

Thank you for all your help.

Sincerely,

Emily J. Bradley

Enclosures
MEMORANDUM

DATE: March 21, 1989

TO: Board of Regents BA Degree Program Coordinators

FROM: Barbara Ritchie, Director of Planning

RE: Standard Credit Agreement for Magistrate Training

The Academic Affairs Advisory Committee met on March 16, 1989 and voted to approve Standard Credit Agreement for the Magistrate Training Program as recommended by the Regents Bachelor of Arts Coordinators.

Please add the attached courses and information to the Summary of Credit Awards. Note the approval of 13 semester hours of upper division legal studies credit for Sessions I-VII and 12 hours of upper division legal studies credit for Sessions I-VII.

This program should be carefully monitored for a few years since it is new and not as established as others the Coordinators have recommended. Thank you for completing the process to finalize this request.

Attachment

BR/nd
## MAGISTRATE TRAINING

### Session I

<table>
<thead>
<tr>
<th>Topic</th>
<th>Contact Hours</th>
</tr>
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<tbody>
<tr>
<td>Orientation</td>
<td>2</td>
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<tr>
<td>Separation of Powers—What is Law—Sources</td>
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<tr>
<td>The Responsibilities of Being a Magistrate</td>
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<tr>
<td>Magistrate Preparation for a Trial</td>
<td>1</td>
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<tr>
<td>Legal Research</td>
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<tr>
<td>Search Warrant</td>
<td>3</td>
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<tr>
<td>Arrest Warrant</td>
<td>3</td>
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<tr>
<td>The Initial Appearance of One Arrested</td>
<td>3</td>
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<tr>
<td>The Preliminary Hearing</td>
<td>3</td>
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<tr>
<td>Handling a Jury Trial</td>
<td>2</td>
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<tr>
<td>The Trial of a Drinking Driver Case</td>
<td>8</td>
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<tr>
<td>Deciding the Sentence in Drinking Driver Cases</td>
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<tr>
<td>The Civil Trial</td>
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<tr>
<td>Help with Legal Matters</td>
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<td>Administrative Matters</td>
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<td>Ethics</td>
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<td><strong>Trial Testing</strong></td>
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### Session II

<table>
<thead>
<tr>
<th>Topic</th>
<th>Contact Hours</th>
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<tbody>
<tr>
<td>Domestic Violence and Child Abuse</td>
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<tr>
<td>Landlord—Tenant Disputes</td>
<td>5</td>
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<tr>
<td>Research and Preparation for Trial</td>
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<tr>
<td>The Arrest Warrant</td>
<td>4</td>
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<tr>
<td>Search and Seizure</td>
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<tr>
<td>Initial Appearance</td>
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<tr>
<td>The Trial—Contol, Demeanor, Evidence</td>
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<tr>
<td>Sentencing</td>
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### Session III

<table>
<thead>
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<th>Topic</th>
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<tbody>
<tr>
<td>Guilty Pleas</td>
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<tr>
<td>Comparative Negligence</td>
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<tr>
<td>Community Relations</td>
<td>6</td>
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<tr>
<td>The Magistrate and the Fourth Amendment</td>
<td>6</td>
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<tr>
<td>Jury Instructions</td>
<td>6</td>
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<tr>
<td>New Legislation and Recent Cases</td>
<td>4</td>
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<tr>
<td>Abuse Cases</td>
<td>4</td>
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<tr>
<td>Domestic Violence Cases</td>
<td>2</td>
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<tr>
<td>Judicial Immunity/Discipline</td>
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<tr>
<td><strong>Trial Testing</strong></td>
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### Session IV

<table>
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<tr>
<td>Control, Demeanor, and Contempt</td>
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<td>Debt Collection</td>
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<tr>
<td>Evidence</td>
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<tr>
<td>Factfinding</td>
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<td>Juvenile Matters</td>
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<td>Preliminary Hearing</td>
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<td>CDR Forms/Miscellany</td>
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<td><strong>Certification Testing</strong></td>
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<td>Session V</td>
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<tr>
<td></td>
<td>Trying a Civil Negligence Case</td>
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<td></td>
<td>Roles of Magistrate Personnel: Complaints, Summonsies, Warrants, Enforcement of Judgements</td>
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<td>Due Process Fundamentals: Federal and State</td>
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<td></td>
<td>Evidence: Cross-Examination</td>
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<td>Suppression Proceedings</td>
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<td>Contract Formation and Execution Under the UCC</td>
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<td>Worthless Checks: Recovery of Personal Property</td>
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<td>Trying a Shoplifting Case</td>
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<td>Sentencing (except DUI)</td>
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<td>Moving Traffic Violations (except DUI)</td>
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<td>Standards of Proof and Defenses: Civil and Criminal</td>
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<td>UCC Sales: Warranties</td>
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<td>Involuntary Mental Health Commitments</td>
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<td>Procedural Problems and the New Legislation</td>
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<td>New Legislation and Miscellany</td>
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<td>Drafting Court Orders</td>
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<tr>
<td></td>
<td>Bail and Bonds (Criminal)</td>
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<td>Self-Incrimination</td>
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<td>Evidence: General Review</td>
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<td>New Rules, Special Problems, New Legislation</td>
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Grand Totals 199.5 Sessions I-160.5 Sessions II
Appendix 19
NATIONAL JOINT
STEAMFITTER-PIPEFITTER
APPRENTICESHIP
COMMITTEE

COURSE
OUTLINE

FOR:
☐ LOCAL JOINT APPRENTICESHIP
AND JOURNEYMEN
TRAINING COMMITTEES
☐ APPRENTICE AND
JOURNEYMEN INSTRUCTORS
☐ ADMINISTRATORS
AND COORDINATORS
☐ ORDER FORMS IN
BACK OF CATALOG
Related Training Outline

The National Joint Steamfitter-Pipefitter Apprenticeship Committee and The National Joint Plumbing Apprentice and Journeyman Training Committee through their combined subcommittees and the United Association Training Department have developed the following course outline.

This outline combines the curriculum for plumber and steamfitter-pipefitter apprentices in the first two years. The subjects offered have equal application for all apprentices, plus the course outline presents materials from both training committees.

This course outline was developed for combination training programs as well as straight-line steamfitter-pipefitter programs. The course outline has been refined to provide the necessary theory and skill training to make a complete apprentice training program in five years.

Each year of instruction considers the apprentice's previous knowledge based on (1) entrance as a first year apprentice or (2) the preceding years instruction for apprentices already in the training program. When this outline is followed section by section, as it should be successful, each year of instruction will provide the knowledge in theory and skills necessary to ensure the apprentice's progress in related training and on the job.

Every effort must be made to establish continuing journeymen training. As an aid to accomplish this activity suggested courses for journeymen have been included with this apprentice course outline.

A complete list of manuals and their descriptions will be found at the end of this booklet, along with order blanks.
First Year of Instruction

The objectives of the first year courses will provide each apprentice with:

1) an awareness of the history and heritage of the United Association. The National Committee recommends that presentations and discussions on heritage and the future of the pipe trades continue throughout the period of apprenticeship.

2) instruction in the identification and use of tools.

3) instruction in the proper care of tools.

4) the training and skills necessary to install all types of pipe, tube, fittings and valves.

5) an understanding of job safety and health.

6) training in soldering and brazing.

7) training in oxy-acetylene cutting.

8) the fundamentals for solving math problems and the necessary math for taking pipe measurements.

9) a knowledge of rigging and signaling.

10) the ability to understand technical and isometric drawings.

SECTION ONE OF FIRST YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
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<tbody>
<tr>
<td>Heritage Program</td>
<td>Your Heritage and Future in the Pipe Trades</td>
<td>Presentations and Discussions</td>
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<tr>
<td></td>
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<td>Your Heritage and Future in the Pipe Trades</td>
</tr>
<tr>
<td>Use and Care of Tools</td>
<td>Use and Care of Tools Manual</td>
<td>Answer Book for Use and Care of Tools</td>
</tr>
<tr>
<td>Job Safety and Health</td>
<td>Section A-Text &amp; Assignments*</td>
<td>Instructor Guide A*</td>
</tr>
<tr>
<td>Soldering and Brazing</td>
<td>Soldering and Brazing Manual</td>
<td>Answer Book for Soldering and Brazing</td>
</tr>
<tr>
<td>Oxy-Acetylene Cutting</td>
<td>Welding Workbook for Oxy-Acetylene Cutting and Shielded Metal Arc Welding Exercises 1 through 6</td>
<td>Welding Workbook for Oxy-Acetylene Cutting and Shielded Metal Arc Welding</td>
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</table>

SECTION TWO OF FIRST YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
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<tbody>
<tr>
<td>Mathematics</td>
<td>Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices Information Sheets 9 through 19 and/or Section B—Text &amp; Assignments*</td>
<td>Answer Book for Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices</td>
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<tr>
<td>Math Review</td>
<td></td>
<td>Instructor Guide B*</td>
</tr>
<tr>
<td>Formulas</td>
<td></td>
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<tr>
<td>Pipe Measurements</td>
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<td></td>
</tr>
<tr>
<td>Rigging and Signaling</td>
<td>Rigging Manual</td>
<td>Answer Book for Rigging Manual</td>
</tr>
<tr>
<td>Drawing Interpretation</td>
<td>Section C- C1 Text and Assignments*</td>
<td>Instructor Guide C*</td>
</tr>
<tr>
<td>Tech. Drawing</td>
<td>C2 Text and Assignments*</td>
<td>¼* Drawings Section C*</td>
</tr>
<tr>
<td>Isometric Drawing</td>
<td></td>
<td>Visual Aids C*</td>
</tr>
</tbody>
</table>

*This material must be ordered from the Joint Plumbing Apprentice & Journeyman Training, Inc. Make checks for material designated with an asterisk (*) payable to the Joint Plumbing Apprentice & Journeyman Training, Inc.
Second Year of Instruction

The objectives of the second year courses will provide each apprentice with:

1. an introduction to matter, liquids, hydraulics and the science required to understand the work of the pipe trades.
2. the ability to understand building plans and drawings.
3. instruction in basic electricity and its practical application on the job.
4. training in shielded metal arc welding.

SECTION ONE OF SECOND YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>Apprentice Requirements</th>
<th>Instructor's Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science</td>
<td>Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices. Information Sheets 20 through 31 and/or Section E-Text and Assignments*</td>
<td>54 Answer Book for Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices. Instructor Guide E*</td>
</tr>
<tr>
<td>Drawing Interpretation Building Plans</td>
<td>Section C-C-3 Text &amp; Assignments*</td>
<td>24 Instructor Guide C* 1/4&quot; Drawings Section C* Visual Aids C*</td>
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<tr>
<td>Basic Electricity</td>
<td>Basic Electricity Manual</td>
<td>30 Answer Book for Basic Electricity Manual</td>
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</table>

SECTION TWO OF SECOND YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>Apprentice Requirements</th>
<th>Instructor's Requirements</th>
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<tbody>
<tr>
<td>Shielded Metal Arc Welding</td>
<td>Welding Workbook for Oxy-Acetylene Cutting and Shielded Metal Arc Welding Exercises 7 through 40</td>
<td>108 Welding Workbook for Oxy-Acetylene Cutting and Shielded Metal Arc Welding</td>
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</tbody>
</table>

*This material must be ordered from the Joint Plumbing Apprentice & Journeyman Training, Inc. Make checks for material designated with an asterisk (*) payable to the Joint Plumbing Apprentice & Journeyman Training, Inc.
Third Year of Instruction

The objectives of the third year courses will provide each apprentice with:

(1) advance instruction in electricity.
(2) introduction in the theory and installation of pumps and steam systems.
(3) an introduction to the components and devices of the refrigeration system.
(4) the necessary instruction in refrigeration to prepare for installation and service work.
(5) instruction concerning boilers and hydronic heating systems.

SECTION ONE OF THIRD YEAR

| COURSE               | APPRENTICE REQUIREMENTS                                                                 |  |
|----------------------|----------------------------------------------------------------------------------------|--|----------------|----------------|
|                      | Basic Text                                                                             |  |
| Electricity          | Basic Electricity Manual                                                               |  |
|                      | Sheets 1 through 15 Assignment Sheets for Refrigeration Manual and Refrigerant Controls Manual |  | | 65 Refrigeration Transparencies—9 with polar motion |

SECTION TWO OF THIRD YEAR

| COURSE               | APPRENTICE REQUIREMENTS                                                                 |  |
|----------------------|----------------------------------------------------------------------------------------|--|----------------|----------------|
|                      | Basic Text                                                                             |  |
|                      | Sheets 16 through 36 Refrigerant Controls Manual                                         | | | 65 Refrigeration Transparencies—9 with polar motion |
|                      | Information Sheets 41 through 46                                                        | | | |
Fourth Year of Instruction

The objectives of the fourth year courses will provide each apprentice with:

(1) training in pipe drafting and blueprint reading.
(2) instruction concerning hydronic heating and cooling systems.
(3) instruction in air conditioning, including an understanding of heat humidity, air requirements, and fans.
(4) training in the use and operation of pneumatic controls.

SECTION ONE OF FOURTH YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTORS REQUIREMENTS</th>
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<tbody>
<tr>
<td></td>
<td>Basic Text</td>
<td>Hours</td>
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<tr>
<td>Pipe Drafting and Blueprint Reading</td>
<td>Pipe Drafting and Blueprint Reading Manual</td>
<td>54</td>
</tr>
<tr>
<td>Air Conditioning I</td>
<td>Air Conditioning Manual Information Sheets 1 through 15</td>
<td>27</td>
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SECTION TWO OF FOURTH YEAR

<table>
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<th>INSTRUCTORS REQUIREMENTS</th>
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<tr>
<td></td>
<td>Basic Text</td>
<td>Hours</td>
</tr>
<tr>
<td>Air Conditioning II</td>
<td>Air Conditioning Manual Information Sheets 16 through 28</td>
<td>72</td>
</tr>
<tr>
<td>Pneumatic Controls</td>
<td>Pneumatic Controls Manual</td>
<td>36</td>
</tr>
</tbody>
</table>
Fifth Year of Instruction

The objectives of the fifth year courses will provide each apprentice with:

1) a knowledge of the operation and application of electric controls.
2) introduction to industrial pipefitting and power piping.
3) instruction in the field of start, test, and balance.
4) a knowledge of the mechanical instrument family.
5) an opportunity to become familiar with the use of the Builders Level-Transit.

SECTION ONE OF FIFTH YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
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</thead>
<tbody>
<tr>
<td>Introduction to Industrial Pipefitting and Power Piping</td>
<td>Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices Information Sheets 73 through 76</td>
<td>18 Answer Book for Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices</td>
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SECTION TWO OF FIFTH YEAR

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<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Builders Level Transit</td>
<td>Section B-Text and Assignments*</td>
<td>24 Instructors Guide B* Visual Aids B*</td>
</tr>
</tbody>
</table>

*This material must be ordered from the Joint Plumbing Apprentice & Journeyman Training, Inc. Make checks for material designated with an asterisk (*) payable to the Joint Plumbing Apprentice & Journeyman Training, Inc.
JPA & JT TRAINING COURSE OUTLINE

FOR
LOCAL JOINT APPRENTICE
AND JOURNEYMAN
TRAINING COMMITTEE

APPRENTICE AND
JOURNEYMAN INSULATORS
ADMINISTRATORS
AND COORDINATOR

ORDER FORMS IN BACK
OF CATALOG
The National Joint Plumbing Apprentice and Journeymen Training Committee and the National Joint Steamfitter-Pipefitter Apprenticeship Committee through their combined subcommittees and the United Association Training Department have developed the following course outline.

This outline combines the curriculum for plumber and steamfitter-pipefitter apprentices in the first two years. The subjects offered have equal application for all apprentices plus the course outline presents the best materials from both training committees.

At the beginning related course outlines were developed primarily for plumbing or steamfitting-pipefitting. This course outline was developed for combination training programs as well as straight line plumber programs. The course outline has been refined to provide basic theory and skill training to apprentices in five years. The last year of training (Senior Apprentice) is devoted to further sharpening of theory and work skills.

Each year of instruction considers the apprentice's previous knowledge based on (1) entrance standards for the first year or (2) the preceding years instruction for apprentices already in the training program. When this outline is followed section by section, as it should be to be successful, each year of instruction will provide the knowledge in theory and skills necessary to ensure the apprentice's progress in related training and on the job.

Every effort should be made to establish continuing journeymen training. As an aid to accomplish this activity suggested courses for journeymen have been included with this apprentice course outline.

**FIRST YEAR OF INSTRUCTION**

The objectives of the first year courses will provide each apprentice with:

1. an awareness of the history and heritage of the United Association. The National Committee recommends that presentations and discussions on heritage and the future of the pipe trades continue throughout the period of apprenticeship.
2. instruction in the identification and use of tools.
3. instruction in the proper care of tools.
4. the training and skills necessary to install all types of pipe, tube, fittings and valves.
5. an understanding of job safety and health.
6. training in soldering and brazing.
7. training in oxy-acetylene cutting.
8. the fundamentals for solving math problems and the necessary math for taking pipe measurements.
9. a knowledge of rigging and signaling.
10. the ability to understand technical and isometric drawings.

**SECTION ONE OF FIRST YEAR**

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
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<tbody>
<tr>
<td>Heritage Program</td>
<td>Your Heritage and Future in the Pipe Trades*</td>
<td>12</td>
</tr>
<tr>
<td>Use and Care of Tools</td>
<td>Use and Care of Tools Manual*</td>
<td>24</td>
</tr>
<tr>
<td>Pipe Materials Fittings, Valves Hangers, Supports and Fasteners</td>
<td>Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices Information Sheets 1 through 8*</td>
<td>18</td>
</tr>
<tr>
<td>Job Safety and Health</td>
<td>Section A-Text &amp; Assignments</td>
<td>18</td>
</tr>
<tr>
<td>Soldering and Brazing</td>
<td>Soldering and Brazing Manual*</td>
<td>18</td>
</tr>
<tr>
<td>Oxy-Acetylene Cutting</td>
<td>Welding Workbook for Oxy-Acetylene Cutting and Shielded Metal Arc Welding Exercises 1 through 6*</td>
<td>18</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
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<tbody>
<tr>
<td>Mathematics Math Review Formulas Pipe Measurements</td>
<td>Section B—Text &amp; Assignments—B1, B2, B3 and/or Instruction Manual for Steamfitter-Pipefitter Journeymen and Apprentices* Information Sheets 9 through 19</td>
<td>54</td>
</tr>
<tr>
<td>Rigging and Signaling</td>
<td>Rigging Manual*</td>
<td>24</td>
</tr>
<tr>
<td>Drawing Interpretation Tech. Drawing Isometric Drawing</td>
<td>Section C—C-1 Text and Assignments C-2 Text and Assignments</td>
<td>30</td>
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</tbody>
</table>

* This material must be ordered from the National Joint Steamfitter-Pipefitter Apprenticeship Committee. Make checks for material designated with an asterisk (*) payable to the National Joint SF/PF Apprenticeship Committee.
SECOND YEAR OF INSTRUCTION

The objectives of the second year courses will provide each apprentice with:

1. an introduction to matter, liquids, hydraulics and the science required to understand the work of the pipe trades.
2. the ability to understanding building plans and drawings.
3. instruction in basic electricity and its practical application on the job.
4. training in shielded metal arc welding.

SECTION ONE OF SECOND YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR’S REQUIREMENTS</th>
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<tbody>
<tr>
<td></td>
<td>Basic Text</td>
<td>Hours</td>
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<tr>
<td>Science</td>
<td>Section E—Text and Assignments—and/or Instruction Manual for Steamfitter-Pipefitter</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td>Journeymen and Apprentices.* Information Sheets 20 through 31</td>
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<tr>
<td>Drawing Interpretation</td>
<td>Section C—C-3 Text &amp; Assignments</td>
<td>24</td>
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<tr>
<td>Building Plans</td>
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<td></td>
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<tr>
<td>Basic Electricity</td>
<td>Basic Electricity Manual*</td>
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SECTION TWO OF SECOND YEAR

<table>
<thead>
<tr>
<th>COURSE</th>
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<tr>
<td></td>
<td>Basic Text</td>
<td>Hours</td>
</tr>
<tr>
<td>Shielded Metal Arc Welding</td>
<td>Welding Workbook for Oxy-acetylene Cutting and Shielded Metal Arc Welding* Exercises</td>
<td>108</td>
</tr>
<tr>
<td></td>
<td>7 through 40</td>
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</tr>
</tbody>
</table>

*This material must be ordered from the National Joint Steamfitter-Pipefitter Apprenticeship Committee. Make checks for materials designated with an asterisk (*) payable to the National Joint SF-PF Apprenticeship Committee.
THIRD YEAR OF INSTRUCTION

The objectives listed in the outline for each third year apprentice are to provide:

1. scientific principles in accordance with local code and practical experience for the safe supply of potable water for residential, commercial and institutional consumption,
2. knowledge of the principles of valves, pump design, selection, and installation,
3. an understanding of the principles, code requirements, and practical knowledge necessary for the safe removal of sewage, waste, and storm water from residential, commercial and institutional buildings,
4. training in offset measurements,
5. practice in servicing various components of plumbing systems.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Basic Text</td>
<td>Hours</td>
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<tr>
<td>Mathematics</td>
<td>B-4 Text &amp; Assignments</td>
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<td>Pipe Measurements Two</td>
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<td>Water Supply</td>
<td>G-1 Text &amp; Assignments</td>
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<td>Water Treatment</td>
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<tr>
<td>Water Mains &amp; Services</td>
<td>G-2 Text &amp; Assignments</td>
<td>Instructor Guide Answer Book for Section G</td>
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<tr>
<td>Bldg. Water Supply Systems</td>
<td>G-3 Text &amp; Assignments</td>
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<td>Cross Connections</td>
<td>G-4 Text &amp; Assignments</td>
<td>Instructor Guide Answer Book for Section G</td>
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<td>Valves</td>
<td>G-5 Text &amp; Assignments</td>
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<td>Pumps</td>
<td>G-6 Text &amp; Assignments</td>
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<td>Drainage</td>
<td>G-7 Text &amp; Assignments</td>
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<td>Sewage Disposal</td>
<td>H-1 Text &amp; Assignments</td>
<td>Instructor Guide Answer Book for Section H</td>
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<td>Sewers &amp; Drains</td>
<td>H-2 Text &amp; Assignments</td>
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<td>Building Drainage Systems</td>
<td>H-3 Text &amp; Assignments</td>
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<td>The Plumbing Trap</td>
<td>H-4 Text &amp; Assignments</td>
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<tr>
<td>Vent. the Drainage Systems</td>
<td>H-5 Text &amp; Assignments</td>
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<tr>
<td>Repairing &amp; Service Lab</td>
<td>Trade Literature</td>
<td>54</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Trade Literature</td>
</tr>
</tbody>
</table>
The objectives of the courses listed in the outline for each fourth year apprentice are to provide:

1. training in the roughing-in requirements for various plumbing fixtures,
2. training in techniques used in setting plumbing fixtures,
3. understanding of the many types of fixtures and appliances used in the plumbing industry,
4. a background in the installation requirements of plumbing accessories and techniques used for installing same,
5. Training in the principles, code requirements, and practical knowledge necessary for the design and installation of a gas supply system,
6. a thorough knowledge of local plumbing code,
7. experience in applying the local code to job situations,
8. training in advanced plan reading,
9. an understanding of various special purpose installations,
10. background in basic principles of human relations and salesmanship and basic for further study,
11. knowledge of principles of general organization of work and the approach to problem solving with emphasis on service work,
12. an analysis of requirements and principles for keeping plumbing systems in operation,
13. an understanding of the principles of solar heating and potable water as it differs from traditional methods.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR'S REQUIREMENTS</th>
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<tr>
<td>Advanced Plan Reading &amp; Plumbing Design</td>
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<td>Visual Aids for Section D</td>
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<td></td>
<td>1/4&quot; Scale Drawings for Section D</td>
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<td>Plumbing Fixtures &amp; Appliances</td>
<td>I-1 Text &amp; Assignments</td>
<td>Instructor Guide Answer Book for Section I</td>
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<td>I-2 Text &amp; Assignments</td>
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<td>Inst. Fixtures &amp; Equipment</td>
<td>I-3 Text &amp; Assignments</td>
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<tr>
<td>Fixture Controls</td>
<td>I-4 Text &amp; Assignments</td>
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<tr>
<td>Appliances &amp; Accessories</td>
<td>I-5 Text &amp; Assignments</td>
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<td>Gas Installations</td>
<td>J-1 Text &amp; Assignments</td>
<td>Instructor Guide Answer Book for Section J</td>
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<td>Natural Gas Installations</td>
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<td>L.P. Gas Systems</td>
<td>J-2 Text &amp; Assignments</td>
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<td>Sizing &amp; Venting Gas Systems</td>
<td>J-3 Text &amp; Assignments</td>
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<td>Gas Appliances &amp; Controls</td>
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<td>Medical Gas Systems</td>
<td>J-5 Text &amp; Assignments</td>
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<td>F-2 Text &amp; Assignments</td>
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<td>F-3 Text &amp; Assignments</td>
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<td>Code Application</td>
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<td>Fountains &amp; Planters</td>
<td>K-2 Text &amp; Assignments</td>
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<td>Lawn Sprinkling &amp; Vacuum Syst.</td>
<td>K-3 Text &amp; Assignments</td>
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<td>Solar Heating of Potable Water &amp; Space</td>
<td>K-4 Text &amp; Assignments</td>
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<tr>
<td>A Guide to Service Work</td>
<td>L-1 Text &amp; Assignments</td>
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<td>Planning Service Work</td>
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<tr>
<td>Troubleshooting Plumbing Systems</td>
<td>L-3 Text &amp; Assignments</td>
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</tbody>
</table>
The objectives of the courses listed in the outline for each fifth year apprentice are to provide:

1. A further understanding of how to use building plans and specifications.
2. Practice in developing the skills required to make job sketches.
3. Instruction in making sleeve drawings.
4. The information and practice required to make coordinated drawings.
5. Training in the practical use of the builders level-transit.
6. The special training required for the understanding of medical gas systems.
7. The confidence each apprentice needs to combine all of the information and skills acquired and complete the training module satisfactorily.

<table>
<thead>
<tr>
<th>COURSE</th>
<th>APPRENTICE REQUIREMENTS</th>
<th>INSTRUCTOR’S REQUIREMENTS</th>
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<tr>
<td></td>
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<td>Hours</td>
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<tr>
<td>Advanced Plan Reading</td>
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<td>&amp; Plumbing Design</td>
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<td>Sleeve Dwg. &amp; Deck Layout</td>
<td>D-2 Text &amp; Assignments</td>
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<tr>
<td>Drawing Coordination</td>
<td>D-3 Text &amp; Assignments</td>
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<td>Mathematics</td>
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<tr>
<td>Builders Level Transit</td>
<td>B-5 Text &amp; Assignments</td>
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<td>Gas Installations</td>
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<td>Medical Gas Systems</td>
<td>J-5 Text &amp; Assignments</td>
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<td>LEADERSHIP COURSES</td>
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<td>at the discretion of the</td>
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<tr>
<td>local JATC and/or the apprentice.</td>
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</tbody>
</table>

**OPTIONAL

Every local training program should have a full schedule of offerings for journeymen. If classes in any individual subject cannot be scheduled, journeymen should be encouraged to order texts through the local committees or from the UA Journal ads for home study so that they can keep their skills current with today’s—and tomorrow’s—needs. It is well to remember that the locals of the craftsman’s trade are not all found in the toolbox or equipment truck. Some are found on the bookshelf.
Appendix 20
Institute of Technology
West Virginia University

Regents B.A. Program

To: Mark Stoller, Central Office, Higher Education Policy Commission
Regents B.A. Coordinators, State System of Higher Education

From: Dr. Howard Kuhn, Regents Coordinator, WVUIT

Date: October 10, 2001

Subject: Review of Regents standard award for WVDOC corrections academy training and supervised WVDOC internship

Lengthy discussions have taken place involving Dr. Beverly Jo Harris, Provost, C&T College, WVUIT; Dr. Gordon Short, ex-Dean, College of Business, Humanities, and Sciences, WVUIT; Anne Neese, Director of Nontraditional Student Services, WVUIT; and Dr. Howard Kuhn, Regents Coordinator, WVUIT. All agree with the following:

They agree that the present training in the WVDOC corrections academy is often vocational at best. The academy offers mainly military-based training, and it is provided mainly by ex-military personnel. Frequently the training seems to have no clear application to the operation of correctional facilities.

They concur that corrections training in its present form, even with the addition of the on-site internship in a state corrections facility, cannot be expected to give, by itself, the learning or perspective necessary to understand corrections in any systematic or theoretical sense.

They agree that no college credit should be given for the WVDOC corrections diploma and internship certificate if there is no additional college course work. Furthermore, they concur that if any credit be given for completing the academy and the internship, it should be only lower division. An appropriate amount would be 30 hours of credit in corrections. (This award of 30 hours corresponds exactly with the amount an A.A.S. graduate in corrections receives upon completion of all degree requirements in this already existing two-year program.)

There is also a consensus among Dr. Harris, Dr. Short, Ms. Neese and Dr. Kuhn that in the Regents program, the 30 hours of lower division credit in corrections should be awarded only if both of the following items have also been completed:

- all 36 hours of general education in the Regents B.A. program;
- an additional 15 hours of graded course work directly related to corrections, from such disciplines as sociology, psychology, management, or criminal justice. Qualifying courses are to be earned in an accredited college; courses that qualify are to be determined on a case by case basis by the candidate’s Regents coordinator and the coordinator's academic Dean or supervisor.
Appendix 21
February 1, 2008

Dr. Mark W. Stotler
Assistant Director of Academic Affairs
Higher Education Policy Commission
1018 Kanawha Blvd., E. Suite 700
Charleston, WV 25301-2827

Dear Mark:

Last Spring, the NOCTI standard award was reviewed and re-approved as 30 hours (15 of those being upper division). Following our Fall RBA Coordinators meeting, where it was asked what to do for students who had passed one part of the two part exam, I contacted Robert Summerfield. He is the Chair of WVU Tech’s Department of Career and Technical Education and the NOCTI Coordinator for the State of West Virginia.

Mr. Summerfield felt the standard award could be broken into two separate entities allowing someone to earn 15 credit hours for the Written test and 15 credit hours for the Performance test. He further broke the hours down into upper and lower division:

Written exam – 7 hours lower division + 8 hours upper division
Performance exam – 8 hours lower division + 7 hours upper division

The NOCTI (National Occupational Testing Institute’s Teacher Occupational Competency Test (TOCT) exam will continue to earn a Regents Bachelor of Arts and Governors Associate in Applied Science student 30 credit hours with 15 of those hours considered upper division. This letter allows a student who has passed one component of the exam to earn a standard award of 15 credit hours.

Enclosed is Mr. Robert Summerfield's letter.

Sincerely,

Kathryn H. Leftwich
Program Coordinator
Regents B.A.
Governors A.A.S.
TO: Kathy Leftwich
FROM: Robert C. Summerville, Chair
DATE: November 6, 2007
RE: Partial Credit for Passage of the NOCTI Exam

In order to maintain a standard award process, I recommend the following:

Written test passed - 7 hrs. lower division and 8 hrs. upper division
Performance test passed - 8 hrs. lower division and 7 hrs. upper division

This should keep the award process clean and free of misapplication.
March 19, 2007

Dr. Mark W. Stotler
Assistant Director of Academic Affairs
Higher Education Policy Commission
1018 Kanawha Blvd., E. Suite 700
Charleston, WV 25301-2827

Dear Mark:

The NOCTI (National Occupational Testing Institute's Teacher Occupational Competency Test (TOCT) exam earns a Regents Bachelor of Arts and Governors Associate in Applied Science student 30 credit hours with 15 of those hours considered upper division.

Enclosed is Mr. Robert Summerfield's letter. Bob is the Chair of WVU Tech's Department of Career and Technical Education and the NOCTI Coordinator for the State of West Virginia.

This is to continue the current evaluation for the NOCTI exam of 30 credit hours (15 being upper division).

Sincerely,

Kathryn H. Leftwich
Program Coordinator
Regents B.A.
Governors A.A.S.
TO: Kathy Leftwich, Regents Coordinator

FROM: Robert C. Summerfield, Chair and WV State NOCTI Coordinator

DATE: February 22, 2007

RE: Credit for the NOCTI Exam

We are awarding 15 hours lower division and 15 hours upper division credit to B.S. candidates in our Career and Technical Education program for successful completion of the NOCTI examination. This examination includes a written and performance component and is available in a variety of areas including welding, electronics, electricity, warehousing, quantity food preparation, construction trades, and automotive technology.

It would be reasonable to do the same with candidates for the Regents program. This NOCTI examination is a nationally distributed examination and is recognized by many academics and industrial agencies.
October 2, 1995

Mark Stotler  
Central Office  
State College and University Systems  
Charleston, WV 25301-2827

Dear Mark:

I wish to propose that the following standardized awards be added to the list in the Coordinators’ Handbook:

1. NOCTI examination (from the National Occupational Competency Testing Institute); 15 hours lower division, 15 hours upper division, pending completion of both the written and performance components of the exam. The examination is available in a variety of areas including welding, electronics, food handling, warehousing, and automotive technology.

The nationally distributed exam is administered within the state by the Vocational-Technical Department at WVIT (to Vocational-Technical majors only) upon request by the candidate. However, some Vo-Tech majors after their initial course work opt for the Regents B.A. over the B.S. in VTED because of the Regents’ flexibility. Accepting the NOCTI field exam is consistent with our policy of accepting credit as determined by competent academic agencies.

2. GRE Advanced Test, as recently adopted by Regents College, Albany, New York, with scaled score equivalents for specific percentile ranks. Scaled scores are provided for the following areas: Biochemistry, Biology, Chemistry, Computer Science, Economics, Education, Engineering, Geology, History, Literature in English, Mathematics, Music, Physics, Political Science, Psychology, and Sociology. Awards range from 3 lower division credits to a maximum of 30 hours total, with 18 upper division hours. See the enclosed document.

Sincerely,

Howard Kuhn  
Regents B.A. Coordinator

enc: New York Regents GRE guidelines
# NOCTI

## National Occupational Competency Testing Institute

**Address:**
- 408 Bishop Hall
- 1349 Cramer Circle
- Big Rapids, MI 49307

**Phone Numbers:**
- (616) 796-4695
- (800) 334-5283
- FAX: 616-852-3633

## Expert Worker/TOCT Order Form

<table>
<thead>
<tr>
<th>TEST CODE NUMBER</th>
<th>ASSESSMENT TITLE</th>
<th>NUMBER OF WRITTEN TESTS</th>
<th>NUMBER OF PERFORMANCE TESTS</th>
<th>NUMBER OF EVALUATOR'S GUIDES</th>
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**TOTAL**

FOR FURTHER INFORMATION ON EACH TEST TITLE, PLEASE REFER TO TEST SCOPE.

CONTINUED.......

NOTE: PLEASE ALLOW TWO WEEKS FOR DELIVERY.
# EXPERT WORKER/TOCT ORDER FORM

## PAGE 2

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<td><strong>ADD PAGES 1 &amp; 2</strong></td>
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For further information on each test title, please refer to test scope.

Coordinator's Signature
Appendix 22
Mark Stotler  
Central Office, State College and University Systems  
1018 Kanawha Blvd. E. Suite 700  
Charleston, WV 25301-2827

Dear Mark:

In preparation for the next coordinators meeting you might want to circulate the attached page which is, in effect, a recommendation for an automatic credit award for successfully passing the "Certified Case Managers" national exam. The Social Work Department at WVU recommended credit awards at different levels depending on the number of months of acceptable case management experience and whether the applicant was a registered nurse or not.

Social Work 221 at WVU is entitled "Field Placement in Social Work." Given the nature of automatic credit awards, I see no need to cite the WVU course number. I would suggest we simply give an automatic credit award for being a "Certified Case Manager" with the amount of credit matching the Social Work Department's recommendations—i.e. between 12 and 18 upper division credits. The credit would be given based on evidence that the national exam had been completed satisfactorily.

When in doubt, certification could be checked with the certification agency:

Certification of Insurance Rehabilitation Specialist Commission  
1835 Rohlwing Road, Suite D  
Rolling Meadows, Illinois 60008  
Phone 708-818-0292

The process for awarding automatic credit for passing the "Certified Rehabilitation Registered Nurse" national exam has not been completed but is in process. To date we have been successful in getting "some" credits locally (have people contact me if they need such credit), but the full review of the exam is not expected until the end of this semester when I believe we will have an automatic credit award recommendation.

See you at the Coordinator's Meeting.  

Sincerely

[Signature]

Ann Paterson, WVU
<table>
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<tr>
<th>Levels of Eligibility</th>
<th>Eligibility Requirements</th>
<th># of credits</th>
<th>Course #</th>
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<td>RN, current licensure in state; minimum of 24 months full-time acceptable case management employment experience</td>
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<td>SW 221</td>
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MEMORANDUM

TO: Ann Paterson, Director, BORBA Program

FR: Patty Gibbs, BSW Program Director

RE: Fixed credit award for Certified Case Managers

The BSW Program Committee met on January 30, 1994 and reviewed your request for awarding fixed BORBA credits to Certified Case Managers, based on the information you supplied. Attached is a table that shows the number of credit hours we approved for each license level. There is one "hitch," however. Currently SW 221 carries a maximum credit hour designation of 3 hours. Given the difficulty I've had in the past with awarding BORBA credits (needing to scrape together hours under a variety of courses, which don't always seem to fit the life experience), I will be trying to get the credit hour maximum in SW 221 changed to variable credits of 1 to 18 hours. Thus, the credits that back this decision will not be available immediately.

If you have any questions, please feel free to call me (3-3501, X3330). I will keep you posted on our progress with getting the credits changed for SW 221.
Dear Linda,

As mentioned in our telephone conversation, part of the Administrative Guidelines include these Standardized Awards. This section has not been updated since 1977 and we appreciate your assistance in this process. I have attached the updated table with the following changes.

Course SW 221 has been replaced with SW 321 reflecting the new course numbering system at WVU implemented in Fall 2001. However, this course is only a 12 credit hour course, and we are adding, as you suggested, SW 493 - Special Topics to give students the additional credits approved for each Category. (The special topics course was chosen at your recommendation because case management is often taught under this course number).

Therefore, the changes in this section reflect course numbers only and do not affect the total number of hours awarded for each Category.

Again, thank you so much for your recommendations and assistance. An approving e-mail will be taken to the Coordinators Meeting for inclusion in the Guidelines.

Carol Hando
Coordinator - Regents BA Program
WVU - Eberly College of Arts & Sciences
PO Box 6289 - 221 Armstrong Hall
Voice: 304/293-5441     Fax: 304/293-7490
carol.hando@mail.wvu.edu
regents_ba@mail.wvu.edu
http://rba.as.wvu.edu
<table>
<thead>
<tr>
<th>Levels of Eligibility</th>
<th>Eligibility Requirements</th>
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<th>Course Number</th>
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Dr. Mark Stotler  
Director of Academic Programming  
West Virginia Higher Education Policy Commission/  
Council for Community and Technical College Education  
1018 Kanawha Blvd., E. Suite 700  
Charleston, WV  25301  

Dr. Stotler:  

In reverence to the Regents Bachelor of Arts and Board of Governors Credit Awards for Certified Credentials I have reviewed the American Red Cross Water Safety Instructor and Basic Life Guarding courses from the American Red Cross and determined each course should be awarded two lower division credit hours.  

Verification of successful course completion can be found at redcross.org/confirm.  

Sincerely,  

Mark Jones  

Chairperson  
West Virginia University Institute of Technology  
Physical Education Programs  
410 Neville Street  
Beckley, WV 25801
Water Safety Instructor with Fundamentals of Instructor Training

Course: Water Safety Instructor with Fundamentals of Instructor Training
Name:
Length: 3 weekends, call for complete schedule (304)340-3650.
Pre-requisites: Must be at least 17 years of age by the last scheduled session of the course. Pass the precourse written exam with at least an 80% and demonstrate competency in the swimming skills evaluation. For complete info on what the pre-course skills session entails, please call Health & Safety at (304)340-3650.
Description: The purpose of the Water Safety Instructor Course is to train candidates to teach American Red Cross Swimming and Water Safety courses, including Learn-to-Swim, Community Water Safety and more.
Refund Policy: Refunds are allowed if you contact the local Red Cross office where you are registered or by calling 1-888-574-2459 at least 24 hours before the start time of the course. All refunds are subject to a $10 processing fee. "No shows" are not eligible for refund.
Certification: Candidates must successfully complete the pre-course session*, attend all course sessions, successfully complete in-class practice teaching assignments, and pass the final instructor written exam with a score of 80 percent or better.
Cost: 110.00

WATER SAFETY INSTRUCTOR

If you are at least 16 years old and a proficient swimmer, you can become an American Red Cross Water Safety approximately 30-hour course will help you:

- Teach skills that may save a life.
- Gain terrific work experience as an aquatics professional.
- Earn money or join a volunteer team while you help people learn valuable skills.
- Learn organizational and presentation skills that will help you in any career.
- Make a difference in peoples lives.

Whether you want to splash around with kids and teach them to swim, help children and adults refine their stroke safety techniques, you can do it as an American Red Cross Water Safety Instructor.

PREREQUISITES:

- Minimum age of 16.
- Fundamentals of Instructor Training Course (FIT).
- Demonstrate swimming skills consistent with the Stroke Performance Charts, Level 4, by swimming the following distances: Front Crawl - 25 yards; Back Crawl - 25 yards; Breaststroke - 25 yards; Elementary backstroke - 25 yards; Butterfly - 15 yards.
- Maintain position on back for 1 minute in deep water (floating or sculling).
- Tread water for 1 minute.

Lifeguard Training and First Aid

Course: Lifeguard Training and First Aid
Length: 29 hours

Pre-requisites:
Lifeguard Training is suitable for students at least 15 years of age.
Students must also swim 500 yards continuously, using these strokes in the following order: 200 yards front crawl using rhythmic breathing and a stabilizing propulsive kick, 100 yards breaststroke, 200 yards front crawl using rhythmic breathing and/or breaststroke. Students must also swim 20 yards using front crawl or breaststroke, surface dive to a depth of 7-10 feet, retrieve a 10-pound diving brick, return to the surface and swim 20 yards back to the starting point with the object.

Description:
This 29 hour course teaches individuals how to prevent and respond to aquatic emergencies. The course content and activities prepare students to prevent drowning and injury, perform water rescues, care for sudden illnesses and injuries, breathing and cardiac emergencies for adults, infants and children. $100 fee includes Lifeguard Training Participant’s book and pocket mask.

Refund Policy:
Refunds are allowed if you contact the local Red Cross office where you are registered or by calling 1-888-574-2459 at least 24 hours before the start time of the course. All refunds are subject to a $10 processing fee. "No shows" are not eligible for refund.

Certification:
Upon successful completion, students will receive a Lifeguard Training and First Aid certification valid for three (3) years, and a CPR for the Professional Rescuer certificate valid for one (1) year.

Cost: $100.00

Health & Safety Services

Lifeguard Training (Show/Hide Description)

Purpose
If you're 15 years or older and looking for a great summer job or a challenging career, American Red Cross Lifeguarding is the best place to start. This course helps you develop skills and experience valued by colleges and future employers. You'll develop new skills and learn how to deal effectively with people, fostering a "take charge" attitude. You'll also get a participant's manual and tips for securing a lifeguarding job.

Prerequisites
None

Learning Objectives
- Surveillance skills to help you recognize and prevent injuries
- Rescue skills in the water and on land
- First aid training and professional rescuer CPR to help you prepare for any emergency
- Professional lifeguard responsibilities, like interacting with the public and addressing uncooperative patrons

Length
28.25 hours

Cost: $175
Appendix 24
DATE: March 14, 2007

TO: Mark Stotler
Assistant Director of Academic Affairs

FROM: Carol Hando, Coordinator
RBA Program, WVU

SUBJ: Standardized Award for GRE Subject Examinations

According to Admission Office from Excelsior University of New York (formerly Regents College) they still award credits for the GRE Subject tests. They would not give me a document or website where I could download this information; however, they calculate the credits as follows:

Starting at 35% and up to the next 5% 3 credits of lower division.
3 credits added for each next 5% up to 50% -- all lower division.
Once the student reaches 50% they are awarded the 12 credits of lower division, but are awarded and additional 3 credits of upper division credit for each additional 5% above the 50th percentile.

This is the same as the chart we have been using. I realize it is actually 4% between awards, but essentially the same standard applies. There are currently 8 subjects being offered:

1. Biochemistry, Cell and Molecular Biology
2. Biology
3. Chemistry
4. Computer Science
5. Literature in English
6. Mathematics
7. Physics
8. Psychology
March 28, 1996

Mark Stotler  
Central Office  
State College and University Systems  
Charleston, WV 25301-2827

Dear Ms. Stotler:

I am enclosing the new Credit Award sliding scale for the GRE subject area exams which have been adopted by the New York Regents College and become effective September 1996.

I have talked with the office of Dr. Meredith Leahy, Dean of Liberal Arts at Regents College, regarding the problem of double dipping when students have earlier completed traditional classroom work in a subject area. Her office is aware of the problem and will be using their academic specialists in appropriate areas to assist in determining when completed course work on a transcript overlaps with credit generated by a GRE exam. All GRE credit awards will be reviewed on a case-by-case basis.

The basic concept of using GRE subject exams for credit is much more logical than the earlier 30 hours all-or-nothing award for a certain minimum score. In the new system, the GRE subject area exams will have scaled score equivalents for specific percentile ranks.

Awards as of September 1 will range from 3 lower division credits and no upper for a 35th percentile ranking, all the way to an award of 30 hours (18 upper division and 12 lower) for an 85th percentile ranking.

Scaled scores have been developed by Regents College for the following areas: Biochemistry, Biology, Chemistry, Computer Science, Economics, Education, Engineering, Geology, History, Literature in English, Mathematics, Music, Physics, Political Science, Psychology, and Sociology.

Sincerely,

Howard Kuhn  
Regents Coordinator

enc: New York Regents GRE guidelines
Regents College
Credit Awards for Scores on the
Graduate Record Examinations (GRE) Advanced Tests

Regents College students may earn credit for scores on the GRE Advanced Tests. Credit is awarded according to the percentile corresponding to the students' scaled score. For scaled scores below the 35th percentile, no credit is awarded. Beginning with 3 credits at the 35th percentile, 3 additional credits are awarded for each additional 5 percentiles, to a maximum of 30.

<table>
<thead>
<tr>
<th>Test</th>
<th>35-39</th>
<th>40-44</th>
<th>45-49</th>
<th>50-54</th>
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Effective 9/1/95 for students enrolling at Regents College on or after that date.
Effective 9/1/96 for students enrolled at Regents College prior to 9/1/95.
*For the Engineering test, only lower level credit is awarded.
For discontinued GRE Tests not listed, check with your academic advisor.
Source: Table 2A: Subject Tests Total Score Interpretive Data Used on Score Reports
1994-95 Guide to the Use of the Graduate Record Examination Program.

### Discontinued GRE Advanced Subject Test

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<th>Test</th>
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</table>
October 1, 2015

Mark W. Stotler, Ed.D.
Director of Academic Programming
West Virginia Higher Education Policy Commission/
   Council for Community and Technical College Education
1018 Kanawha Blvd., E. Suite 700
Charleston, WV 25301

Dr. Stotler,

Please accept the attached recommendation for standardized credit awards to be awarded in the Board of Governors and Regents Bachelors of Arts degree students from Blue Ridge Community and Technical College Information Technology Department.

The recommendations are to help guide both Board of Governors and Reagents Bachelors Coordinators in awarding credit for certifications.

The department faculty has determined that several of the credits awarded that are posted currently in the guide should be adjusted to better reflect time commitment and certification. Please see the attachment for recommendations. The faculty also recommend that the American Council for Education (ACE) be used for additional certification information.

If you have any questions or require more information please feel free to contact me.

Sincerely,

Anthony Hanners
Information Technology, Program Coordinator
Blue Ridge Community and Technical College

Apryl McDonough
Chair, Information Technology
Program Coordinator
Project Lead, TAACCT Round 4
Blue Ridge Community and Technical College
<table>
<thead>
<tr>
<th>Computer Information Technology</th>
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<th>Upper Division</th>
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<td>May 2015</td>
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</table>
Appendix 26
25 February 2003

Ann Paterson, Ph.D.
Director, Regents B. A. Program
West Virginia University
Eberly College of Arts and Sciences
210J Armstrong Hall
P.O. Box 6289
Morgantown, W V 26506-6289

Re: Undergraduate credit for tumor registry programs

Dear Dr. Paterson:

I write this letter to strongly endorse the proposal to award undergraduate credit to students who have completed a tumor registry program taken in a non-university/college environment. As I understand this proposal, non-traditional students who complete a tumor registry program AND complete the national level testing for tumor registry training, will be awarded undergraduate credit, as appropriate. Typically, tumor registry programs involve about 30 hours of coursework, taken in a non-campus program.

In order to become a tumor registrar, one has to master concepts that are asked of postgraduate oncology M.D. trainees. For example, a tumor registrar has to understand the staging of tumors, from multiple sites within the body. Such a person has to be able to abstract that type of information from the medical record, which requires substantial expertise in medical terminology. One has to grasp the distinctions between (as examples): different types of tumors of the head and neck; the staging of Hodgkin's disease versus non-Hodgkin's lymphomas; the different manners of staging diseases of the hematopoetic system (CLL vs AML, childhood leukemia versus adult leukemias, etc.); different tumors involving the thorax.

No, in order to successfully become a tumor registrar, one has to have strong functional knowledge of; human anatomy, human disease, tumor types, different manners of tumor staging, medical terminology, etc., etc. As I understand it, the testing association for tumor registrars has recommended about 30 hours of undergraduate credit for successfully completing the training course, and the national exam. I agree that this level of credit (30 undergraduate hours) is appropriate. I strongly endorse this proposal.

As I understand it, another important issue is whether undergraduate credit should be "lower division" or "higher division". As I understand it, "lower division" credits would be applicable to courses that are appropriate for the first two years of college. Since this program will be available to individuals with no prior college experience, I believe that lower division credit would be appropriate.
Letter to Dr. Patterson
25 February 2003
Page 2

As I indicated above, I strongly endorse this proposal. If there is further information that I can supply, please feel free to contact me as indicated below.

With best regards,

Eddie Reed, M.D., Director
Mary Babb Randolph Cancer Center
Laurence and Jean DeLynn Chair of Oncology
Robert C. Byrd Health Sciences Center
West Virginia University
1801 Health Sciences South, 1st Floor
Morgantown, W V 26506-9300
Phone 304/293-0781
Fax 304/293-4667
Email ereed@hsc.wvu.edu
As I understand it, another important issue is whether undergraduate credit should be "lower division" or "higher division". As I understand it, "lower division" credits would be applicable to courses that are appropriate for the first two years of college. Since this program will be available to individuals with no prior college experience, I believe that lower division credit would be appropriate.
Appendix 27
February 25, 2003

Dr. Ann L. Paterson, PhD
Director, Regents BA Program
West Virginia University

Dear Dr. Paterson,

Thank you for the opportunity to present material in support of academic credit for pharmacy technicians for the Regents BA Program. I hope this material will be helpful in granting educational recognition for individuals completing American Society of Health-System Pharmacists (ASHP) accredited technician training programs and have passed a state or national pharmacy technician certification examination.

ASHP is a national organization that supports the practice of pharmacy in hospitals and other health systems and serves as their “collective voice on issues related to medication use and public health.” ASHP defines a pharmacy technician as an individual working in a pharmacy under the supervision of a pharmacist and who assists in pharmacy activities. Historically, most pharmacy technicians received on the job training. However, ASHP has developed minimum entry requirements and competency evaluations for pharmacy technicians. The program for accreditation of pharmacy technician training programs is conducted by the Board of Directors of ASHP under the direction of the Commission on Credentialing, and which began accreditation of programs in the 1980s. Currently 247 schools and training institutions offer a range of associate degrees, diplomas, and certificate programs for pharmacy technicians. The objectives of ASHP’s accreditation program include: (1) standardization of technician training; (2) recognition of institutions that offer accredited programs; (3) identification of highly-qualified individuals who have completed an accredited program; and (4) assistance in the advancement and professional development of the pharmacy technician.

To receive ASHP-accredited certification, the student must successfully master a variety of skills including (1) knowledge of the role of the pharmacist; (2) knowledge of the responsibilities of a technician; (3) understanding of medical terms, abbreviations, and symbols used in prescribing; (4) knowledge of physical and chemical properties of drugs; (5) arithmetic calculations; (6) drug purchasing and inventory control; (7) drug dosages and routes of administration; (8) manufacturing, packaging, and labeling of drugs; (9) aseptic compounding; (10) drug distribution systems; (11) recording keeping/insurance information. The knowledge is gained with a combination of didactic classes, laboratory exercises to practice skills, and on-site experiential education. Programs range in contact hours from 540 to 2145 hours, with an average of 960 hours.
For academic credit to be given for a pharmacy technician training program, it is recommended that it be from an ASHP-accredited program. ASHP guidelines require a minimum of 600 contact hours over at least 15 weeks.

In addition to the above, it is recommended that individuals also pass either the national Pharmacy Technician Certification Examination in order to be a certified pharmacy technician (CPhT) or an individual state's examination. In West Virginia, technicians are required to complete 2,080 hours of pharmacy experience under a pharmacist-in-charge and pass a state licensure examination in order to be a Registered Pharmacy Technician in the state of West Virginia. Other states have comparable examination procedures. Individuals applying for credit towards the Regents BA program and who will not be completing 2,080 hours of pharmacy experience (and thus would not be eligible to sit for the West Virginia examination) may elect to take the national examination and which does not have a requirement for completion of in-training hours.

Based on the didactic, laboratory, and experiential training that is required for ASHP-accredited certification programs in conjunction with passage of either a state or national examination, I would recommend that individuals be granted a total of 24 lower division credit hours towards the Regents BA program.

The website for ASHP is www.ashp.org. The site describes the standards and policies for technician training programs if additional information is needed.

Thank you for allowing me to provide input into this very exciting program and I hope it will assist in determining awards of college credit hours for certified pharmacy technicians that have completed ASHP-accredited pharmacy technician training programs. If I can be of further assistance in this matter or if there are any questions, please do not hesitate to call me.

Sincerely,

Mary K. Stamatakis
Mary K. Stamatakis, Pharm.D.
Assistant Dean for Academic Programs
West Virginia University
School of Pharmacy
Appendix 28
Radiologic Technology Education Programs
Radiography, Radiation Therapy, Nuclear Medicine, Ultrasound, & MRI

Date: March 22, 2017

To: Barbara Griffin
RBA Program Manager
West Virginia University

From: Charles "Brad" Holben MSHA, R.T.(R)(MR)
MRI Education Program Director
WVU Medicine

RE: Credit Award Equivalents / Considerations for Primary Pathway MRI Programs

Thank you for giving me opportunity to comment on the certifications in Magnetic Resonance Imaging, with respect to credit equivalence and current / proposed changes in our profession. I offer the following for your consideration in regards to the Primary Pathway in Magnetic Resonance Imaging:

**Primary Pathway Certification in Magnetic Resonance Imaging (MRI) - ARRT**

With the exponential growth and technological advancements in the field of Magnetic Resonance Imaging over the past several years, the need for formal didactic and clinical education in this discipline has become evident. Within the past 10 years, a few programs (including WVU Medicine’s) have been developed and have achieved initial accreditation through the Joint Review Committee on Education in Radiology Technology (JRCERT). In response, the ARRT has implemented a “primary pathway” exam in MRI. As with the other primary certifications, eligible candidates must successfully complete a Magnetic Resonance Imaging educational program that is accredited by either a USDE or CHEA recognized accreditation agency. The programs are at least 1-year in length and are based on a formal didactic and clinical curriculum published by the American Society of Radiologic Technologists (ASRT). A recommendation would be to award credit for the “primary pathway” Magnetic Resonance Imaging certification equivalent to that awarded for the primary certifications such as Radiation Therapy & Nuclear Medicine (30 Upper and 5 Lower division credits).

**Post-Primary Exam requirements - ARRT**

Post Primary certifications are designed to validate a technologist’s advanced clinical and cognitive knowledge in a particular specialty above and beyond his or her primary certification. Historically, eligibility was obtained through clinical experience, the completion of a specific number of clinical exams and self-directed study. Beginning January 1, 2016, candidates for post-primary certification are required to complete 16 hours of structured education related to the content specifications for that exam. The education must meet the same standards as CE activities in that it must be either RCEEM-approved or university-awarded. This requirement is applicable to the following ARRT post-primary certifications in Mammography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Quality Management (QM), Bone Densitometry, Cardiac-Interventional Radiography (CI), Vascular-Interventional Radiography (VI), Sonography, Vascular Sonography, or Breast Sonography. Due to the provision for allowing approved Continuing Education credits in the discipline to meet this new...
standard, I believe that the inclusion of the structured education component merely validates the current credit awards for these post-primary certifications and does not necessarily lend support for an increase (or decrease) in credit equivalence.

**Supporting Links**

American Registry of Radiologic Technologists  
American Society of Radiologic Technologist  
Joint Review Committee on Education in Radiologic Technology  

ARRT  
ASRT  
JRCERT  

www.arrt.org  
www.asrt.org  
www.jrcert.org
West Virginia University Hospitals
Radiologic Technology Education Programs
Radiography, Radiation Therapy, Nuclear Medicine, & Ultrasound

Date:        April 14, 2004
To:          Dr. Ann Patterson
             West Virginia University / RBA program
From:        Jay Morris
             Education Manager / WVUH Radiologic Technology Education Programs
RE:          Radiologic Technology Credit Awards

Thanks you for soliciting my input in the evaluation of credit awards for the RBA program. I have included comments on the following:

1. Primary vs. Post Primary certifications
2. Inclusion of Quality management & Bone Density certifications
3. Comments on the proposed Mammography increase

Primary certifications (Radiography, Nuclear Medicine, Radiation Therapy, Ultrasound)

Eligible candidates must complete a formal education program accredited by a mechanism accepted by the ARRT. Recognized accrediting bodies include the six regional accrediting organizations, the Joint Review Committee on Education in Radiologic Technology (JRCERT), and the Joint Review Committee in Nuclear Medicine Technology (JRCNMT). These programs have specific didactic and clinical curricula and consist of at least one year of formal education (most Radiography programs are two-years in length). The primary certifications in Ultrasound are conducted by the ARDMS and have similar formal education requirements.

Post-Primary certifications

Eligible candidates must be registered in a primary supporting discipline and must have completed a specific number of hours and clinical procedures in the subspecialty. These exams are designed to provide certification for those who have achieved expertise through clinical performance and didactic study, in a specialized imaging modality. Most candidates do not complete a formal education program to become eligible.

Quality Management & Bone Densitometry

We request that the Board of Regents consider the following for credit awards:

Quality Management is an advance certification offered by the ARRT for the professional who performs the specific role of Quality Assurance and Quality Control for the imaging community at a specific institution. Eligibility for this exam requires the documented performance of various QA/QC testing
procedures with responsibility for analysis & interpretation of data and implementation of performance improvement initiatives. The content specifications and the clinical experience requirements are attached to this document. With regards to credit equivalence, this certification should correspond to the mammography, computed tomography, and cardiovascular / interventional credit awards (17 UD / 3 LD).

Bone Densitometry is an advance certification offered by the ARRT for the professional who utilizes advanced imaging equipment for the specific detection, measurement and quantification of bone mineral density. Eligible candidates must document completion of numerous Dual X-Ray Absorptiometry procedures (under indirect and direct supervision), initial and follow-up interpretation of data, and several educational activities to include community service, patient counseling, and the development of instructional material relating to osteoporosis and bone density. The content specifications and the clinical experience requirements are attached to this document. With regards to credit equivalence, this certification should also correspond to the mammography, computed tomography, and cardiovascular / interventional credit awards (17 UD / 3 LD).

**Mammography Exam**

Over the past several years, the ARRT has revised the eligibility requirements for all post-primary certifications. The changes were implemented to assure that all candidates possessed sufficient clinical experience in the discipline prior to becoming eligible to sit for the exam. The prerequisite of minimum documented clinical experience applies to all post primary exams, not just the one in mammography.

The successful completion of these post-primary exams requires a significant amount of time committed to studying the didactic curriculum and performing the clinical requirements. The Board of Regents has traditional recognized these certifications as credit eligible and rightfully so. However, increasing the Mammography exam from 17 UD credits to 30 UD credits proves problematic when considered against the credit awards allocated for the primary certifications in Radiation Therapy, Nuclear Medicine, Radiation Therapy, and Ultrasound. These primary disciplines have historically been awarded 30 UD / 5 LD credit hours for the completion of a formal accredited program of a least one-year of full-time didactic and clinical study. Increasing the Mammography certification award to 30 UD credit hours would indicate equivalency with these programs, which, in my opinion, does not equate from an educational standpoint.
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<td>Breast Sonography</td>
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Appendix 29
West Virginia University
Fire Service Extension
College Credit Manual
INTRODUCTION

WVU FIRE SERVICE EXTENSION COURSE MANUAL

In 1931, West Virginia University’s Fire Service Extension was created and it developed the first West Virginia State Fire School. From 1933 to 1937, classes taught by the State Fire School were supplemented by regional fire school classes sponsored by the West Virginia University’s Fire Service Extension. As late as the early 70’s WVU’s Fire Service Extension itself offered only a handful of fire service classes; today Fire Service Extension offers more than 170 different training courses at 50 regional schools around the state.

WVU’s Fire Service Extension has a memorandum of understanding with the National Fire Academy (NFA), West Virginia State Fire Commission, and the Regional Education Services Agencies (RESA) to further the professional goals and training standards of West Virginia’s firefighters. With the cooperation of these agencies, WVU’s Fire Service Extension provides a quality fire service curriculum with certification of all students completing such courses through appropriate examinations. Records of all courses completed are retained by the Fire Service Extension Office and students completing the courses listed in this Guide all receive WVU Fire Service Extension certificates. Examples of the different types of certificates are provided at the end of this Manual. If certificates have been lost, confirmation of their completion can be obtained by phoning 304-293-2106.

The purpose of this Manual is to allow Regents BA coordinators to award credit for the various Fire Service Extension courses listed in the manual at the local institutional level as standardized awards. The content of each course has been summarized in a format parallel to that of the ACE Guide’s National Fire Academy courses. Note that some courses are not recommended for any college credit and that some courses duplicate other courses offered by Fire Service Extension (sometimes under different names) and additional credit is not appropriate. Some National Fire Academy courses are listed in this Manual because WVU’s Fire Service Extension has been authorized to teach them to National Fire Academy standards. (NFA courses are identified in the Manual.)

Traditional written portfolios may still be submitted to cover credit requests for experiences beyond those covered in the certificates. Portfolios should be sent to the Morgantown RBA Office for processing, NOT directly to Fire Service Extension. “Stray” certificates from non-WV fire schools will no longer be accepted without a written discussion of what was taught and learned from the courses taken.

Given clear interest on the part of many Fire Service personnel through the state in pursuing the Regents BA degree, it is hoped that these new procedures combined with the Manual will increase the efficiency of awarding Fire Service Extension course credit. The Manual will undoubtedly need to be updated periodically as new courses are developed by Fire Service Extension. Such upgrades will be provided to the RBA coordinators for their approval.
FIREFIGHTING COURSES

Basic Structural Firefighting
Objective: To provide students with the basic knowledge and skills to safely and effectively perform interior firefighting operations.
Learning Outcome: Upon successful completion of this course, the student will be able to understand the principles of effectively perform interior firefighting operations.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites: Completion of firefighter 1
Equip. Req: Full turnout gear and SCBA
Hours: 12
Standard/ Reg: NFPA 1403
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
* This course is equivalent to Live Burn-Acquired Structure.

Building Construction: Combustible
Objective: To enable the student to recognize construction types, design, alteration consequences, materials used, and their influence on the building's reaction to fire. In a tactical situation construction features and resultant potential hazards to firefighters are studied.
Learning Outcome: Upon successful completion of this course, the student will be able to understand construction types, alternative design, and materials influence a building's reaction to fire. As well as the ability to assess building stability, resistance to fire, and determine likely paths of fire extension.
Instruction: Methods of instruction include lecture, discussion, and classroom exercises.
Prerequisites:
Equip. Req: 
Hours: 16
Standard/ Reg: 
Age Req: 16 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F100)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Delmar Fire Fighter Handbook
Objective: To provide students with the knowledge and skills to safely and effectively perform basic firefighting operations as part of firefighting team.
Learning Outcome: Upon successful completion of this course, the student will be able to understand and apply the principles of fire department organization, protective clothing, fire behavior, self contained breathing apparatus, rescue, forcible entry, ropes, fire department apparatus, ladders, fire streams, hoses, salvage, overhaul, fire alarm communications, safety and portable fire extinguishers. This course meets NFPA 1001 standard for Level 1 & 2 firefighter training.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites:
Equip. Req: Full turnout gear and SCBA
Hours: 90
Standard/Reg: NFPA 1001
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category,
6 semester hours in Fire Science.
* This course is equivalent to Firefighter Level 1 & 2.

Engine Company Operations
Objective: This course will teach the student the roles and responsibilities of the engine
company. Tasks to be covered will be pump operation and maintenance, engine
placement at fires and rescue scenes, placement of hose streams and deluge sets, and use
of deck guns and heavy streams.
Learning Outcome: Upon successful completion of this course, the student will be able
to explain the roles and responsibilities of the engine company. The student will be able
to operate a pump and perform pump maintenance, engine placement at fires and rescue
scenes, placement of hose streams and deluge sets, and use of deck guns and heavy
streams.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case
studies, audio/visual material, computer-assisted instruction, series of practical skill,
examinations.
Prerequisites: Firefighter 1
Equip. Req: Full turnout gear and SCBA
Hours: 12
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category,
1 semester hour in Fire Science.

Firefighter 1
Objective: To provide students with the knowledge and skills to safely and effectively
perform basic firefighting operations as part of firefighting team.
Learning Outcome: Upon successful completion of this course, the student will be able
to understand and apply the principles of fire department organization, protective
clothing, fire behavior, self contained breathing apparatus, rescue, forcible entry, ropes,
fire department apparatus, ladders, fire streams, hoses, salvage, overhaul, fire alarm
communications, safety and portable fire extinguishers. This course meets NFPA 1001
standard for firefighter training.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case
studies, audio/visual material, computer-assisted instruction, series of practical exams,
skill checkout sheets, quizzes, and final examinations.
Prerequisites:
Equip. Req: Full turnout gear and SCBA
Hours: 36
Standard/Reg: NFPA 1001
Age Req: 16 years old with release of liability form
Credit Recommendation: In the lower division baccalaureate/associate degree category,
3 semester hours in Fire Science.
* This course is equivalent to Delmar Firefighter Handbook.

Firefighter 2
Objective: This Course is the second level of the WVU firefighter-training program. It is a course designed for the Firefighter Level I who is prepared to assume more of a leadership role in a department. Course consists primarily of classes designed to give the student more knowledge of fireground situations so that he or she can make basic evaluations of safety problems and assume leadership roles in carrying out interior attack and search operations.

Learning Outcome: Upon successful completion of this course, the student will be able to understand and apply the principles of arson detection, breathing apparatus, fire ground operations, flammable and combustible liquid fires, hydraulics, water movement, ventilation, pre-planning and rescue. This course meets Level II NFPA 1001 standard for firefighter training.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

Prerequisites: Completion of firefighter 1

Equip. Req: Full turnout gear and SCBA

Hours: 33

Standard/ Reg: NFPA 1001

Age Req: 18 years or older

Note: This class Pro-Board certifiable

Credit Recommendation: In the lower division baccalaureate/associate degree category, 3 semester hours in Fire Science.

* This course is equivalent to Delmar Firefighter Handbook.

Live Burn-Acquired Structure

Objective: This course is an advance hands-on operations class that is required in structural firefighting; culminating in structural fire attack (multi-level) in an acquired structure.

Learning Outcome: Upon successful completion of this course, the student will be able to understand the principles of effectively perform interior firefighting operations in an acquired structure.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

Prerequisites: Completion of Firefighter 1

Equip. Req: Full turnout gear and SCBA

Hours: 12

Standard/ Reg: NFPA 1403

Age Req: 18 years or older

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

* This course is equivalent to Basic Structural Firefighter.

Principles of Building Construction: Noncombustible

Objective: To enable the student to cite key features of non-combustible or fire-resistant buildings that affect emergency operations. Fire and life safety concerns that exist in non-combustible and fire resistant structures are studied.

Learning Outcome: Upon successful completion of this course, the student will be able to understand construction types, alternative design, and materials influence a building's reaction to fire. As well as the ability to assess building stability, resistance to fire, and determine likely paths of fire extension.
Instruction: Methods of instruction include lecture, discussion, and classroom exercises.
Prerequisites:
Equip. Req:
Hours: 16
Standard/ Reg:
Age Req: 16 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F150)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Truck Company Operations
Objective: This class is designed for firefighters who work on truck companies. This class consists of proper positioning of aerials on the fire ground, proper use of ladder pipes, different types of aerials and their advantage and disadvantages, and fire ground operations for a truck company.
Learning Outcome: Upon successful completion of this course, the student will be able to work on truck companies and have the knowledge for proper positioning of aerials on the fire ground, proper use of ladder pipes, different types of aerials and their advantage and disadvantages, and fire ground operations for a truck company.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, and examinations.
Prerequisites: Firefighter 1
Equip. Req: Full turnout gear and SCBA
Hours: 12
Standard/ Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
RESCUE COURSES

Auto Extrication Awareness
Objective: This is a hands-on course that will cover the fundamentals of vehicle extrication, use of basic and advanced tools, and extrication techniques, stabilization and accessing the patient.
Learning Outcome: Upon successful completion of this course, the student will be able to safely perform the fundamentals of vehicle extrication, use of basic and advanced tools, and extrication techniques, stabilization and accessing the patient.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.
Prerequisites:
Equip. Req: Helmet, steel-toed boots, leather gloves
Hours: 12
Standard/Reg: NFPA 1670
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Auto Extrication Operations
Objective: This is a hands-on course that will cover the advance techniques of vehicle extrication, use of basic and advanced tools, and extrication techniques, stabilization and accessing the patient.
Learning Outcome: Upon successful completion of this course, the student will be able to safely perform the advance techniques of vehicle extrication, use of basic and advanced tools, and extrication techniques, stabilization and accessing the patient.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.
Prerequisites: Auto Extrication Awareness
Equip. Req: Helmet, steel-toed boots, leather gloves
Hours: 12
Standard/Reg: NFPA 1670
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Confined Space Rescue Awareness and Operations
Objective: This course teaches the student about OSHA requirements, hauling, rigging, supplied air respiratory protection and many rescue scenarios involving vertical and horizontal confined spaces.
Learning Outcome: Upon successful completion of this course, the student will be able to have the knowledge about OSHA requirements, hauling, rigging, supplied air respiratory protection and many rescue scenarios involving vertical and horizontal confined spaces.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill checkout sheets, examinations.
Prerequisites:
Equip. Req: Helmet, steel-toed boots, leather gloves
Hours: 24
Standard/Reg: NFPA 1670
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 2 semester hours in Fire Science.

**Farm Extrication**
Objective: This course will provide the firefighter and emergency medical personnel with knowledge of farm accidents, farm hazards, and general rescue/extrication procedures when responding and operating at an agricultural emergency.
Learning Outcome: Upon successful completion of this course, the student will have the knowledge of farm accidents, farm hazards, and general rescue/extrication procedures when responding and operating at an agricultural emergency.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.
Prerequisites: Auto Extrication Awareness
Equip. Req: Helmet, steel-toed boots, leather gloves
Hours: 12
Standard/Reg: NFPA 1670
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Farmedic**
Objective: This course will provide the firefighter and emergency medical personnel with knowledge of farm accidents, farm hazards, and general rescue/extrication procedures when responding and operating at an agricultural emergency.
Learning Outcome: Upon successful completion of this course, the student will have the knowledge of farm accidents, farm hazards, and general rescue/extrication procedures when responding and operating at an agricultural emergency.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skills, examinations.
Prerequisites: Auto Extrication Awareness
Equip. Req: Helmet, steel-toed boots, leather gloves
Hours: 20
Standard/Reg: NFPA 1670
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Foam Applications**
Objective: This class is designed to teach firefighters how foams suppress or interact with various chemicals and fire. The student will be exposed to the foams of the past, present, and to the futuristic foams that are being developed on the market. The student will learn the various techniques and the do's and don't of foam application along with being exposed to the hazards requiring fixed foam protection.
Learning Outcome: Upon successful completion of this course, the student will be able to use foam in the proper technique.
**Instruction**: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series skill sheets, examinations.

**Prerequisites**: Firefighter 1

**Equip. Req**: Full Turnout gear and SCBA

**Hours**: 12

**Standard/ Reg**:  
Age Req: 18 years or older

**Credit Recommendation**: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

### Heavy Vehicle Rescue

**Objective**: This course is designed for the rescuer to become familiar with vehicle extrication with bigger vehicles. This class covers incidents dealing with large truck and school bus extrication.

**Learning Outcome**: Upon successful completion of this course, the student will be able to safely perform vehicle extrication with bigger vehicles. This includes incidents dealing with large truck and school bus extrication.

**Instruction**: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites**: Auto Extrication Awareness

**Equip. Req**: Helmet, steel toed boots, leather gloves

**Hours**: 12

**Standard/ Reg**: NFPA 1670

**Age Req**: 18 years or older

**Credit Recommendation**: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

### High Rise Firefighting Operations

**Objective**: This training program is designed to help firefighters operate in the high rise building.

**Learning Outcome**: Upon successful completion of this course, the student will be able to operate in the high rise building.

**Instruction**: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites**: Firefighter 1

**Equip. Req**: Full Turnout gear and SCBA

**Hours**: 12

**Standard/ Reg**:  
Age Req: 18 years or older

**Credit Recommendation**: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

### Introduction to Aircraft Rescue and Firefighting

**Objective**: This class is geared towards acquainting the student to the uniqueness of operating in and around aircraft incidents.

**Learning Outcome**: Upon successful completion of this course, the student will be able to operate in and around aircraft incidents. The simulator is capable of allowing students to enter an area with temperatures over 400+ degrees, while fighting fire and doing
obscured vision rescues. Some of the many scenarios include: pit fires, cabin fires, wheel fires, engine fires and emergency exits.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:** Firefighter 1

**Equip. Req:** Full Turnout gear and SCBA

**Hours:** 6

**Standard/Reg:**

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 0 semester hours in Fire Science.

**Principles of Extrication**

**Objective:** This course is designed for the rescuer to become familiar with vehicle extrication dealing with all types of vehicles and a many types of rescue tools.

**Learning Outcome:** Upon successful completion of this course, the student will be able to identify and safely use vehicle extrication tools on many different types of vehicles.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites:**

**Equip. Req:** Helmet, steel toed boots, leather gloves

**Hours:** 36

**Standard/Reg:** NFPA 1670

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 2 semester hours in Fire Science.

**Propane Emergencies**

**Objective:** This class is designed to help firefighters respond to emergencies involving propane.

**Learning Outcome:** Upon successful completion of this course, the student will be able to respond to emergencies involving propane.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:** Firefighter 1

**Equip. Req:** Full Turnout gear and SCBA

**Hours:** 12

**Standard/Reg:**

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Rapid Intervention**

**Objective:** This course meets NFPA 1500's requirements for Rapid Intervention Teams. Multiple scenarios involving rescue of downed firefighters will be offered, teaching firefighters performing this valuable function how to breach walls, lift collapsed structural elements, perform hot SCBA changes, and to learn valuable self rescue procedures.
Learning Outcome: Upon successful completion of this course, the student will be able to breach walls, lift collapsed structural elements, perform hot SCBA changes, and to learn valuable self rescue procedures.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

Prerequisites: Firefighter 1

Equip. Req: Full Turnout gear and SCBA

Hours: 12

Standard/ Reg: NFPA 1500

Age Req: 18 years or older

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Response to Amusement Ride Accidents

Objective: This course will provide the firefighter and emergency medical personnel with knowledge of amusement ride accidents, amusement ride hazards, and general rescue/extrication procedures when responding and operating at an amusement ride emergency.

Learning Outcome: Upon successful completion of this course, the student will have the knowledge of amusement ride accidents, amusement ride hazards, and general rescue/extrication procedures when responding and operating at an amusement ride emergency.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, practical skill, examinations.

Prerequisites:

Equip. Req: Helmet, steel-toed boots, leather gloves

Hours: 12

Standard/ Reg:

Age Req: 18 years or older

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Rope Rescue Awareness

Objective: This class teaches the student the about basic knots, hitches, rope care and maintenance, low angle lowering, low angle raising, basic patient access and packaging.

Learning Outcome: Upon successful completion of this course, the student will be able to have the knowledge about basic knots, hitches, rope care and maintenance, low angle lowering, low angle raising, basic patient access and packaging.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

Prerequisites:

Equip. Req: Helmet, steel toed boots, leather gloves

Hours: 12

Standard/ Reg: NFPA 1670

Age Req: 18 years or older

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Rope Rescue Operations
**Objective:** Second level of rope rescue training. Course topics include site control and scene management, edge protection, knot recognition, anchor selection, belay devices, rescue operations communications and safety, rope-based mechanical advantage systems, and patient transport.

**Learning Outcome:** Upon successful completion of this course, the student will be able to perform site control and scene management, edge protection, knot recognition, anchor selection, belay devices, rescue operations communications and safety, rope-based mechanical advantage systems, and patient transport.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites:** Rope rescue awareness

**Equip. Req:** Helmet, steel toed boots, leather gloves

**Hours:** 16

**Standard/Reg:** NFPA 1670

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

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**Rope Rescue Technician**

**Objective:** This course is designed to provide the rescuer the capability to recognize hazards, the proper equipment selection and the techniques to safely and effectively perform a technical rope rescue.

**Learning Outcome:** Upon successful completion of this course, the student will be able to recognize hazards, the proper equipment selection and the techniques to safely and effectively perform a technical rope rescue.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites:** Rope rescue operations

**Equip. Req:** Helmet, steel toed boots, leather gloves

**Hours:** 16

**Standard/Reg:** NFPA 1670

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

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**Swift Water Rescue Awareness**

**Objective:** First level of swiftwater rescue training. Course topics will include organizational role and objective, the drowning problem, water types, river reading, rescue failure, logistics, hand signals, risk benefit, environmental concerns, flood characteristics, response strategies, and types of water rescue.

**Learning Outcome:** Upon successful completion of this course, the student will be able to have the knowledge of organizational role and objective, the drowning problem, water types, river reading, rescue failure, logistics, hand signals, risk benefit, environmental concerns, flood characteristics, response strategies, and types of water rescue.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:**

**Equip. Req:** Helmet and personal flotation device
Hours: 8  
Standard/Reg: NFPA 1670  
Age Req: 18 years or older  
Credit Recommendation: In the lower division baccalaureate/associate degree category, 0 semester hours in Fire Science.

**Swift Water Rescue Operations**

**Objective:** Second level of swiftwater rescue training. Course topics will include organizational role and objective, the drowning problem, water types, river reading, rescue failure, logistics, hand signals, risk benefit, environmental concerns, flood characteristics, response strategies, and types of water rescue.  
**Learning Outcome:** Upon successful completion of this course, the student will be able to have the knowledge of organizational role and objective, the drowning problem, water types, river reading, rescue failure, logistics, hand signals, risk benefit, environmental concerns, flood characteristics, response strategies, and types of water rescue.  
**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.  
**Prerequisites:** Swift water awareness  
**Equip. Req:** Helmet and personal flotation device  
Hours: 16  
Standard/Reg: NFPA 1670  
Age Req: 18 years or older  
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Trench Rescue Awareness**

**Objective:** This course is teaches the student about trenching, shoring and removing trapped victims from those most unstable of spaces.  
**Learning Outcome:** Upon successful completion of this course, the student will be able to safely perform trenching, shoring and removing trapped victims from those most unstable of spaces.  
**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.  
**Prerequisites:**  
**Equip. Req:** Helmet, steel-toed boots, leather gloves  
Hours: 6  
Standard/Reg: NFPA 1670  
Age Req: 18 years or older  
Credit Recommendation: In the lower division baccalaureate/associate degree category, 0 semester hours in Fire Science.

**Trench Rescue Operations**

**Objective:** This course is teaches the different techniques required for safely rescuing victims of trench emergencies, and the latest in power tools and pneumatic trench shores.  
**Learning Outcome:** Upon successful completion of this course, the student will be able to safely perform different techniques required for rescuing victims of trench emergencies, and the latest in power tools and pneumatic trench shores.
**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites:** Trench rescue awareness

**Equip. Req:** Helmet, steel-toed boots, leather gloves

**Hours:** 16

**Standard/ Reg:** NFPA 1670

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

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**Trench Rescue Technician**

**Objective:** This course teaches the advance techniques required for safely rescuing victims of trench emergencies, and the latest in power tools and pneumatic trench shores.

**Learning Outcome:** Upon successful completion of this course, the student will be able to safely perform advance techniques required for rescuing victims of trench emergencies, and the latest in power tools and pneumatic trench shores.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites:** Trench rescue operations

**Equip. Req:** Helmet, steel-toed boots, leather gloves

**Hours:** 16

**Standard/ Reg:** NFPA 1670

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
HAZARDOUS MATERIALS/ TERRORISM

Basic Life Support: Hazardous Materials Response

Objective: To provide an overview of critical concerns for emergency medical responders at hazardous material incidents, including toxicological aspects associated with hazardous material incident response.

Learning Outcome: Upon successful completion of this course, the student will be able to successfully identify potential problems and safety concerns (responders and victims) from videotaped incidents; define hazardous materials and indications of their presence including respiratory, dermal, and systemic toxicology and ingestion injuries; describe decontamination processes and equipment; describe level of protection clothing and protective equipment and its use; define standard of care; and understand federal laws relating to hazardous material response and identify processes and techniques for assessing a responders' condition.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, and final examinations.

Prerequisites:

Equip. Req:

Hours: 16

Standard/ Reg:

Age Req: 18 years or older

Note: This class is a NATIONAL FIRE ACADEMY Class (R246)

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Bomb Technician Assistant

Objective: To provide an overview of the necessary knowledge and skills to assist the WV State Fire Marshal Special Operations Group with an explosive incident.

Learning Outcome: Upon successful completion of this course, the student will be able to assist the WV State Fire Marshal Special Operations Group when they get called to the scene of an actual or suspected explosives incident

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

Prerequisites: Students must pass a criminal background check.

Equip. Req:

Hours: 12

Standard/ Reg:

Age Req: 18 years or older

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Decontamination Procedure

Objective: This class provides the students with the proper procedures for decontaminating hazardous materials responders.

Learning Outcome: Upon successful completion of this course, the student will be able to have the knowledge for decontaminating hazardous materials responders.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites:
Equip. Req: 
Hours: 8
Standard/Reg: 
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 0 semester hours in Fire Science.

Emergency response to Terrorism: Basic Concepts
Objective: To provide training for first responders responding to acts of terrorism. This is an introductory course providing awareness of the growing problem and safety considerations for first responder at terrorism responses.
Learning Outcome: Upon successful completion of this course, the student will be able to recognize the potential danger of the first responder to acts of terrorism; demonstrate basic understanding of circumstances that indicate a terrorism act; define scene control principles; recommend basic tactics and response to terrorism acts; and recognize the elements on command and control to terrorist acts.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, and final examinations.
Prerequisites:
Equip. Req: 
Hours: 16
Standard/Reg: 
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (H531)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Emergency Response to Terrorism: Company Officer
Objective: This course is designed to prepare first responder personnel to take the appropriate course of action at the scene of a potential terrorist incident.
Learning Outcome: Upon successful completion of this course, the student will be able to understand and recognition of terrorism, defensive considerations (biological, nuclear, incendiary, chemical, and explosive), as well as command and control issues associated with criminal incidents. The students will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, and final examinations.
Prerequisites:
Equip. Req: 
Hours: 16
Standard/Reg: 
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F531)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Emergency Response to Terrorism: EMS
Objective: This course is designed for the first on the scene responding EMS personnel with the responsibility to render patient care to victims of terrorist incidents.
Learning Outcome: Upon successful completion of this course, the student will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protecting actions. The students will have the knowledge about responding to a terrorist event, providing patient care, identifying and preserving evidence, managing site safety, documenting the event, and debriefing personnel.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.

Prerequisites: EMT-Basic

Hours: 16

Standard/ Reg:

Age Req: 18 years or older

Note: This class is a NATIONAL FIRE ACADEMY Class (F554)

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Emergency Response to Terrorism: Hazardous -Materials

Objective: This course is designed for the fire scene responding hazardous materials technician or persons who have the responsibility of developing initial hazardous materials tactical considerations.

Learning Outcome: Upon successful completion of this course, the student will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self protection actions.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.

Prerequisites: Hazmat Technician

Hours: 16

Standard/ Reg:

Age Req: 18 years or older

Note: This class is a NATIONAL FIRE ACADEMY Class (F553)

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Emergency Response to Terrorism: Strategic Considerations for Command Officers

Objective: This course is designed for the senior-level officer(s) who may be responsible for command of incidents involving terrorism. This course should give the Command Officer the ability to focus on the strategic considerations and unique aspects introduced into emergency operations by the nature of terrorist events

Learning Outcome: Upon successful completion of this course, the student will be able to prepare an effective response plan to a terrorists incident.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.

Prerequisites:

Equip. Req:

Hours: 16

Standard/ Reg:

Age Req: 18 years or older

Note: This class is a NATIONAL FIRE ACADEMY Class (F555)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Explosive Recognition for Public Safety Officers**

**Objective:** This is a course that is an introduction to the hazards of explosive terrorist devices; recognition of different types of explosive devices, common terminology and hazards to personnel.

**Learning Outcome:** Upon successful completion of this course, the student will be able to recognize different types of explosive devices, know common terminology and hazards to personnel.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:**

**Equip. Req:**

**Hours:** 12

**Standard/ Reg:**

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Hazardous Materials Operations**

**Objective:** To provide the student with the knowledge and skills to perform hazardous materials first response.

**Learning Outcome:** Upon successful completion of this course, the student will be able to analyze a hazardous materials incident, plan an initial response, implement the response, and evaluate the progress of the actions taken.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:**

**Equip. Req:**

**Hours:** 16

**Standard/ Reg:** NFPA 472

**Age Req:** 18 years or older

**Note:** This class is Pro-Board Certifiable

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 2 semester hours in Fire Science.

**Hazardous Materials Technician**

**Objective:** To provide the students with the knowledge and skills to mitigate a hazardous materials leak.

**Learning Outcome:** Upon successful completion of this course, the student will be able to analyze a hazardous materials incident; plan a response; implement the response; evaluate the progress of the planned response; and terminate the incident.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:** Hazmat Ops

**Equip. Req:**

**Hours:** 40
**Hazardous Materials Technician (IAFF)**

**Objective:** To provide the students with the knowledge and skills to mitigate a hazardous materials leak.

**Learning Outcome:** Upon successful completion of this course, the student will be able to analyze a hazardous materials incident; plan a response; implement the response; evaluate the progress of the planned response; and terminate the incident.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:** Hazmat Ops

**Equip. Req:**

**Hours:** 40

**Standard/ Reg:** NFPA 472

**Age Req:** 18 years or older

**Credit Recommendation:** In the upper division baccalaureate/associate degree category, 3 semester hours in Fire Science.

**This class is equivalent to Hazardous Material Technician.**

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**Hazardous Materials Technician Refresher**

**Objective:** This class provides review for those persons certified as a Hazardous Materials Technicians.

**Learning Outcome:** Upon successful completion of this course, the student will be able to hazardous material skills at a technician level.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skill, examinations.

**Prerequisites:** Hazmat Technicians

**Equip. Req:**

**Hours:** 8

**Standard/ Reg:**

**Age Req:** 18 years or older

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 0 semester hours in Fire Science.

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**Hospital Decontamination**

**Objective:** This class provides decontamination procedures for hospital personnel.

**Learning Outcome:** Upon successful completion of this course, the student will be able to perform decontamination procedures for hospitals.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

**Prerequisites:**

**Equip. Req:**

**Hours:** 12
Standard/ Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
*This class is equivalent to Hazmat Operations and Decontamination Procedure.

**Initial Response to Hazardous Materials Incidents: Basic Concepts**

Objective: To provide the first responder at a hazardous material incident basic concepts and techniques for appropriate behavior before, during, and after the incident. The course defines hazardous materials and describes roles, responsibilities, and risks associated with the incident.

Learning Outcome: Upon successful completion of this course, the student will be able to define hazardous materials and describe associated risks to personal safety; explain roles, responsibilities, and limitations of first responders in hazardous materials incidents; implement appropriate behaviors before, during, and after a hazardous materials incident; identify the presence and potential dangers of hazardous materials in different emergency situations, identify local, state, and federal resources appropriate to emergency and non-emergency situation; and describe basic concepts and techniques of site management and scene setup; to include the proper use of personal protective equipment and decontamination.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, role-playing, and problem solving (facilitated by instructor and performed by student).

Prerequisites:

Equip. Req:

Hours: 12

Standard/ Reg:

Age Req: 16 years or older

Note: This class is a NATIONAL FIRE ACADEMY Class (F809)

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Initial Response to Hazardous Materials Incidents: Concept Implementation**

Objective: To give the first responder an understanding of the basic steps of a systematic process for a safe and appropriate response to hazardous materials incidents, it will identify the types, uses, and sources of information needed to recognize and identify the hazard; identify basic options, requirements, and limitations of the methods used to control, contain, or confine a hazardous materials incident.

Learning Outcome: Upon successful completion of this course, the student will be able to respond to hazardous materials incidents as a first responder; and mitigate damage and dangers involving hazardous materials spills.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual materials, and exams.

Prerequisites:

Equip. Req:

Hours: 12

Standard/ Reg:

Age Req: 18 years or older

Note: This class is a NATIONAL FIRE ACADEMY Class (F808)

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
Recognizing and Identifying Hazardous Materials

Objective: This course provides emergency response personnel, primarily firefighters, police officers, and emergency medical services personnel, with the information and skills needed to recognize, evaluate, and control an incident involving the release of potential release of hazardous materials.

Learning Outcome: Upon successful completion of this course, the student will be able to recognize and evaluate a hazardous materials incident, organizing the response team, protecting response personnel, identifying and using response resources, implementing basic control measures, refining decision-making skills, and protecting the public.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical skills, examinations. Topics that are discussed include chemical and physical properties of hazardous materials, toxicology, recognition and identification of hazardous materials, direct-reading instruments, standard operating procedures, personnel protection and safety, and sources of information.

Prerequisites:

Equipment Req:

Hours: 6

Standard/Reg:

Age Req: 16 years or older

Note: This class is a NATIONAL FIRE ACADEMY

Credit Recommendation: In the lower division baccalaureate/associate degree category, 0 semester hours in Fire Science.
Driver Operator-Pumper

Advanced Hydraulics
Objective: To provide students with the advance knowledge and skills needed to operate fire department pumping apparatus.
Learning Outcome: Upon successful completion of this course, the student will be able to determine how much water is flowing; give the nozzles in service the available pressure and available hoselines; and calculate pressures needed for a supply pumper, relay pumper, and attack pumper.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites: Basic Pumps and Hydraulics
Equip. Req: Helmet, steel toed boots, leather gloves
Hours: 16
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
*This class is equivalent to Driver Operator - Pumper.

Basic Pumps and Hydraulics
Objective: To provide students with the basic knowledge and skills needed to operate fire department pumping apparatus.
Learning Outcome: Upon successful completion of this course, the student will be able to determine how much water is flowing; give the nozzles in service the available pressure and available hoselines; and calculate pressures needed for a supply pumper, relay pumper, and attack pumper.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites:
Equip. Req: Helmet, steel toed boots, leather gloves
Hours: 16
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
*This class is equivalent to Driver Operator - Pumper.

Driver Operator-Pumper
Objective: To provide students with the basic knowledge and skills needed to operate fire department pumping apparatus.
Learning Outcome: Upon successful completion of this course, the student will be able to determine how much water is flowing; give the nozzles in service the available pressure and available hoselines; and calculate pressures needed for a supply pumper, relay pumper, and attack pumper.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites: Must have proof of valid WV Operators License or other State Drivers License
Equip. Req: Helmet, steel toed boots, leather gloves
Hours: 40
Age Req: 18 years or older
Note: This class is Pro-Board Certifiable
Credit Recommendation: In the lower division baccalaureate/associate degree category, 2 semester hours in Fire Science.
*This class is equivalent to Basic Pumps and Hydraulics and Advance Hydraulics.

Emergency Vehicle Driving
Objective: To provide students with information on sensible and safe emergency vehicle driving procedures and collision avoidance and to develop basic skills in the operation of fire and rescue service apparatus. Meets WV State Fire Commission and State EMS initial driver training requirements/recommendations. The course is designed to meet DOT and NFPA standards may bring their own apparatus if they wish to take driving part in their own equipment.
Learning Outcome: Upon successful completion of this course, the student will be able to describe the major concepts of emergency vehicle driving including safety, legal issues, communications, vehicle inspection, and preparation, physical forces affecting driving and the operation of an emergency vehicle; and demonstrate basic competency as a driver of an emergency vehicle.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites: Must have proof of valid WV Operators License or other State Drivers License
Equip. Req:
Hours: 16
Standard/ Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
*This class is equivalent to VFIS Emergency Driving.

Pump Doctor
Objective: This class provides firefighters with knowledge of the operations of a fire pump.
Learning Outcome: Upon successful completion of this course, the student will have the knowledge of the different types of fire pumps, the operation of the different pumps and the basic skill to work on fire pumps.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites:
Equip. Req:
Hours: 16
Standard/ Reg:
Age Req: 16 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
*This class is equivalent to Driver Operator – Pumper, Basic Pumps and Hydraulics and Advance Hydraulics.

Rural Water Movement
Objective: In this hands-on class, the student will be able to analyze the problems faced with rural fire protection.
Learning Outcome: Upon successful completion of this course, the student will be able to make solutions, to operating with limited water supplies, using nurse taker operations, shuttle tanker operations, and engine company procedures.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, and examinations.
Prerequisites:
Equip. Req: Helmet, steel-toed boots, leather gloves
Hours: 12
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

VFIS Emergency Vehicle Driving
Objective: This is a course on emergency vehicle operations. This course meets WV State Fire Commission and State EMS initial driver training requirements/recommendations. The course is designed to meet DOT and NFPA standards.
Learning Outcome: Upon successful completion of this course, the student will be able to have the basic knowledge of emergency vehicle operations. Safety, legal aspects, inspection and driver responsibilities are covered.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites: Must have proof of valid WV Operators License or other State Drivers License
Equip. Req:
Hours: 16
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
*This class is equivalent to Emergency Vehicle Driving.
FIRE OFFICERCOURSES

Arson Detection for the First Responder
Objective: To provide a clear definition of the role of the initial responder organizations; to provide essential knowledge to enable them to recognize the potential of an intentionally-set fire; to preserve evidence; and to properly report the information to appropriate officials.
Learning Outcome: Upon successful completion of this course, the student will be able to recognize the indicators of an intentionally-set fire; preserve evidence; and report the information to an appropriate official.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Equip. Req:
Hours: 12
Standard/Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F201)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Arson 2: Scene Examination
Objective: To provide the knowledge and skills required to detect arson patterns and motives in a variety of settings. This course will show the student how to investigate an actual fire scene, reconstruct the scene, take trace samples, documentation, diagram and photographing the scene, and determine and prove what started the fire.
Learning Outcome: Upon successful completion of this course, the student will be able to understand intelligence systems, crime laboratory, interview and communications techniques, fatal fires, photography, and arson for profit.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites: Arson 1
Equip. Req:
Hours: 12
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower/upper division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Arson 3: Arson and the Criminal Justice System
Objective: This course will show the student how to investigate an actual fire scene, reconstruct the scene, take trace samples, documentation, diagram and photographing the scene, and determine and prove what started the fire.
Learning Outcome: Upon successful completion of this course, the student will be able to investigate an actual fire scene, reconstruct the scene, take trace samples, documentation, diagram and photographing the scene, and determine and prove what started the fire.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites: Arson 2 and the student must have a background check.
Equip. Req:
Hours: 12
Standard/ Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower/upper division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Courtroom Preparation and Testimony for First Responder
Objective: This course provides the necessary tools for all emergency responders who may be called upon for depositions and/or courtroom testimony relevant to facts witnessed on arrival at a scene as a first responder.
Learning Outcome: Upon successful completion of this course, the student will be able to give a deposition and/or courtroom testimony relevant to facts witnessed on arrival at a scene as a first responder.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Equip. Req:
Hours: 12
Standard/ Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F209)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Executive Skills Series
Objective: This course the students will be introduced to a four-step model for managing change effectively.
Learning Outcome: Upon successful completion of this course, the student will be able to use a four-step model for managing change effectively.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations. These activities include analysis, planning, implementation, and evaluation.
Prerequisites:
Equip. Req:
Hours: 16
Standard/ Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F517)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Fire Instructor 1
Objective: To provide an understanding of the methods of learning.
Learning Outcome: Upon successful completion of this course, the student will be able to understand techniques related to teaching.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, role playing, audio/visual material, computer-assisted instruction, series of practical exams, quizzes, and final examinations.
Prerequisites: FF 1 and 2, First Aide/CPR
Equip. Req:
Hours: 40
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 3 semester hours in Fire Science.

Fire Instructor 2
Objective: To instruct fire service personnel in developing performance objectives, lesson plans, instructional aids, evaluation systems, references and records, and reports.
Learning Outcome: Upon successful completion of this course, the student will be able to develop performance objectives, lesson plans, instructional aids, evaluation systems, references and records, and reports.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, role playing, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites: Instructor 1
Equip. Req:
Hours: 40
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the upper division baccalaureate/associate degree category, 3 semester hours in Fire Science.

WVU Fire Officer I
Objective: The Fire Officer I curriculum identifies the performance requirements necessary to perform the duties of a first line supervisor. This course supplements the rest of the requirements for the National Standard for Fire Officer I. It is designed to help the participant meet the NFPA 1021 Standard for Fire Officer I.
Learning Outcome: Upon successful completion of this course, the student will be able to understand the requirements for the National Standard for Fire Officer I. It is designed to help the participant meet the NFPA 1021 Standard for Fire Officer I.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.
Prerequisites: Firefighter 1 and 2
Equip. Req:
Hours: 12
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Fire Officer I
Objective: To provide entry-level training in company operations and administration at the first line supervisory level.
Learning Outcome: Upon successful completion of this course, the student will be able to find ways to effectively manage human resources; community/public relations; fire department organization and administration, including budgets, reports, and planning; fire inspection, investigation, and public education; emergency service delivery; and safety.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, learner presentations/reports, series of skill, quizzes, and final examinations.

Prerequisites: Firefighter 1 and 2

Equip. Req:

Hours: 60

Standard/Reg: NFPA 1021

Age Req: 18 years or older

Note: This class is Pro-Board Certifiable

Credit Recommendation: In the lower division baccalaureate/associate degree category, 3 semester hours in Fire Science.

Fire Officer II

Objective: To provide the student with training in company operations and administration that enhances the entry level company officer training course.

Learning Outcome: Upon successful completion of this course, the student will be able to find ways to effectively manage human resources; community/public relations; fire department organization and administration, including budgets, reports, and planning; fire inspection, investigation, and public education; emergency service delivery; and safety.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, learner presentations/reports, series of skill, quizzes, and final examinations.

Prerequisites: Fire Officer 1 and Instructor 1

Equip. Req:

Hours: 60

Standard/Reg: NFPA 1021

Age Req: 18 years or older

Note: This class is Pro-Board Certifiable

Credit Recommendation: In the upper division baccalaureate/associate degree category, 3 semester hours in Fire Science.

Fire Officer III

Objective: To provide the chief officer for the administrative and operational challenges of the fire service in the 21st century.

Learning Outcome: Upon successful completion of this course, the student will be able to function as a participant in the day to day administrative/operationally focused process of fire service organizational activities, including human resource management, ethics, community outreach programming, central record/data repository systems, budgeting processes, inspections/pre-incident planning, safety program development, in-basket assessment, and incident planning with multi-agency involvement.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, learner presentations/reports, research and group projects, problem solving, student projects, series of skill, quizzes, and final examinations.

Prerequisites: Fire Officer Level I, Level II, Instructor Level I and Level II

Equip. Req:

Hours: 40

Standard/Reg: NFPA 1021

Age Req: 18 years or older

Note: This class is Pro-Board Certifiable
Credit Recommendation: In the upper division baccalaureate/associate degree category, 3 semester hours in Fire Science.

Fire Officer IV
Objective: To provide the chief officer for the administrative and operational challenges of the fire service in the 21st century.
Learning Outcome: Upon successful completion of this course, the student will be able to function as a participant in the day to day administrative/operationally focused process of fire service organizational activities, including human resource management, ethics, community outreach programming, central record/data repository systems, budgeting processes, inspections/pre-incident planning, safety program development, in-basket assessment, and incident planning with multi-agency involvement.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, learner presentations/reports, research and group projects, problem solving, student projects, series of skill, quizzes, and final examinations.
Prerequisites: Fire Officer Level I, Level II, Level III, Instructor Level I and Level II
Equip. Req:
Hours: 40
Standard/ Reg: NFPA 1021
Age Req: 18 years or older
Note: This class is Pro-Board Certifiable
Credit Recommendation: In the upper division baccalaureate/associate degree category, 3 semester hours in Fire Science.

Health and Safety Officer
Objective: This course examines the Health and Safety Officer's role in identifying, evaluating, and implementing policy and procedures that affect health and safety aspects for emergency responders.
Learning Outcome: Upon successful completion of this course, the student will be able to understand the role of the health and safety officer in both emergency and non-emergency situations.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Equip. Req:
Hours: 16
Standard/ Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (W720)
Credit Recommendation: In the lower/upper division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Incident Command System
Objective: This course allows the students to be introduced to the concepts of incident command.
Learning Outcome: Upon successful completion of this course, the student will be able to have the basic concepts of the incident command through lecture and guided discussion.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

Prerequisites:
Equip. Req:
Hours: 12

Standard/Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F200)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Incident Command System for High Rise Operations
Objective: This course is designed to assist emergency response officers who have responsibility for managing high-rise incidents. This includes organizing resources, developing strategies, and managing tactical operations to protect life and to minimize damage during an incident.
Learning Outcome: Upon successful completion of this course, the student will be able to have the skills to understand about managing high-rise incidents which includes organizing resources, developing strategies, and managing tactical operations to protect life and to minimize damage during an incident.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Equip. Req:
Hours: 16

Standard/Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F321)
Credit Recommendation: In the lower/upper division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Incident Command System for Structural Collapse
Objective: This course is designed to provide fire officers with an understanding of command operations at structural collapse incidents.
Learning Outcome: Upon successful completion of this course, the student will be able to describe the aspects of a structural collapse, explain basic command procedures and ICS organizational structure, identify various resource levels, types, and capabilities used for structural collapse incidents, identify critical factors and issues that affect scene management, describe all unique operational considerations used at a structural collapse incident, describe all response operations phases associated with a structural collapse incident, and describe the technical rescue expertise and equipment required for safe operations and effective incident management.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Description: Students completing this course will be able to
Prerequisites:
Equip. Req:
Hours: 16
Standard/Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F322)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Incident Command System for EMS**
Objective: To enable emergency medical service (EMS) personnel to effectively understand and participate in the incident command system (ICS) at all stages of an emergency incident.
Learning Outcome: Upon successful completion of this course, the student will be able to identify and use an organized approach to the management of EMS incidents; understand and use proper communications, transfer of command, and emergency incident organization and command techniques; and understand the interpersonal skills and proper safety strategies necessary for Incident Command Systems.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Equip. Req:
Hours: 12
Standard/Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F160)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Interview and Interrogation**
Objective: This course will provide responder preparation for the courtroom experience.
Learning Outcome: Upon successful completion of this course, the student will be able to be prepared for courtroom experience.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Hours: 12
Standard/Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**Incident Safety Officer**
Objective: To provide an understanding of safety officer's role at emergency response situations, with specific emphasis on the role of the safety officer in the Incident Command System.
Learning Outcome: Upon successful completion of this course, the student will be able to provide the Company Officer with the skills to function effectively as a Safety Officer at emergency incidents.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Equip. Req:
Hours: 16
Standard/Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (W719)
Credit Recommendation: In the lower/upper division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Leadership I
Objective: To provide students with the leadership skills of mid-level managers, especially fire company officers.
Learning Outcome: Upon successful completion of this course, the student will be able to apply appropriate decision-making styles to given situation; outline critical steps in problem-solving methods; identify services provided by a "typical" fire company and the resources needed to provide these services; understand the relationship between resources and services provided by a fire company; and describe the requirements involved in running effective meetings
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, and final examinations.
Prerequisites:
Equip. Req:
Hours: 12
Standard/ Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F803)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Leadership II
Objective: To provide students with an understanding of leadership skills and tasks associated with management of multiple roles of managers, ethics, abuse of power, and personal creativity.
Learning Outcome: Upon successful completion of this course, the student will be able to identify typical roles and responsibilities of a commanding officer; identify, define, and analyze the role of creativity and innovation in fire service organizations; identify the sources and limits of different types of power; and make appropriate decisions involving ethical issues.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, and examinations.
Prerequisites:
Equip. Req:
Hours: 12
Standard/ Reg:
Age Req: 18 years or older
Note: This class is a NATIONAL FIRE ACADEMY Class (F804)
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Leadership III
Objective: To provide the student with an understanding of basic leadership skills related to supervision of personnel.
Learning Outcome: Upon successful completion of this course, the student will be able to describe the relationship between development level and leadership style; identify benefits derived from effective delegation and barriers that prevent it; recognize
similarities that characterize effective coaches and effective leaders; and use discipline to correct improper employee behavior.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.

**Prerequisites:** Instructor 1

**Equip. Req:**

**Hours:** 12

**Standard/Reg:**

**Age Req:** 18 years or older

**Note:** This class is a NATIONAL FIRE ACADEMY Class (F805)

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**MCTO Decision Making**

**Objective:** To provide a framework for effective structural firefighting decision making and tactical organization.

**Learning Outcome:** Upon successful completion of this course, the student will be able to apply a systematic approach for implementing tactical plans; and implement a basic incident command system for structural firefighting.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, and examinations.

**Prerequisites:**

**Equip. Req:**

**Hours:** 12

**Standard/Reg:**

**Age Req:** 18 years or older

**Note:** This class is a NATIONAL FIRE ACADEMY Class (F450 or W450)

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**MCTO Preparations**

**Objective:** To provide the new or prospective fire officer with the basic knowledge and skills necessary to manage one or more fire companies in structural fire fighting operations.

**Learning Outcome:** Upon successful completion of this course, the student will be able to understand the company officer's principal roles and responsibilities in preparing the company engage in tactical fire fighting operations.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations. Key content includes roles and responsibilities, readiness, communication, building construction and fire behavior factors and pre-incident preparation.

**Prerequisites:** MCTO-DM

**Equip. Req:**

**Hours:** 12

**Standard/Reg:**

**Age Req:** 18 years or older

**Note:** This class is a NATIONAL FIRE ACADEMY Class (F375 or W375)

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

**MCTO Tactics**
**Objective:** To provide the company officers and prospective fire officer with the knowledge and skills needed to effectively accomplish assigned tactics at a structural fire emergency.

**Learning Outcome:** Upon successful completion of this course, the student will be able to explain the purpose and use of the Communication Model and the Quick Access Prefire Plan in tactical operations at fire incidents; define the relationship between incident priorities, strategy, tactics, and implementation in the command sequence; select the appropriate strategic mode, based on consideration of risk, benefit, and available resources; describe the six step required to implement the Tactical Action Model; and list the factors on which apparatus placement is based.

**Instruction:** Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations. This course examines fire and rescue practices dealing with confinement, extinguishment, water supply, salvage, and offensive and defensive firefighting operations.

**Prerequisites:** MCTO-P

**Equip. Req:**

**Hours:** 12

**Standard/ Reg:**

**Age Req:** 18 years or older

**Note:** This class is a NATIONAL FIRE ACADEMY Class (**R870, F452 or W452**)

**Credit Recommendation:** In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
American Heart Association
Objective: This is a course that teaches a variety of skills including one- and two-rescuer CPR, use of AEDs, resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations such as drowning.

Learning Outcome: Upon successful completion of this course, the student will be able to perform one- and two-rescuer CPR, use of resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations. Participants receive a 2-year certification card.

Prerequisites:
Eqquip. Req: 
Hours: 16

Standard/ Reg: 
Age Req:

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

American Red Cross
Objective: This is a course that teaches a variety of skills including one- and two-rescuer CPR, use of AEDs, resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations such as drowning.

Learning Outcome: Upon successful completion of this course, the student will be able to perform one- and two-rescuer CPR, use of resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations.

Prerequisites:
Eqquip. Req:
Hours: 16

Standard/ Reg:
Age Req:

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Center for rural Emergency Medicine
Objective: This is a course that teaches a variety of skills including one- and two-rescuer CPR, use of AEDs, resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations such as drowning.

Learning Outcome: Upon successful completion of this course, the student will be able to perform one- and two-rescuer CPR, use of resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations.

Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations. Participants receive a 2-year certification card.
Prerequisites:
Equip. Req:
Hours: 16
Standard/ Reg:
Age Req:
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

National Safety Council
Objective: This is a course that teaches a variety of skills including one- and two-rescuer CPR, use of AEDs, resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations such as drowning.
Learning Outcome: Upon successful completion of this course, the student will be able to perform one- and two-rescuer CPR, use of resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations. Participants receive a 2-year certification card.
Prerequisites:
Equip. Req:
Hours: 16
Standard/ Reg:
Age Req:
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

Public Education
Objective: This is a course provided instruction for firefighters and others on how to adapt fire safety lessons and topics to target audiences (such as seniors, preschoolers, teenagers, etc.).
Learning Outcome: Upon successful completion of this course, the student will be able to adapt fire safety lessons and topics for different target audiences.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, examinations.
Prerequisites:
Equip. Req:
Hours: 12
Standard/ Reg:
Age Req: 18 years or older
Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.

RESA
Objective: This is a course that teaches a variety of skills including one- and two-rescuer CPR, use of AEDs, resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations such as drowning.
Learning Outcome: Upon successful completion of this course, the student will be able to perform one- and two-rescuer CPR, use of resuscitation masks and bag-valve masks for ventilating victims, and how to respond in special rescue situations.
Instruction: Methods of instruction include lecture, discussion, classroom exercises, case studies, audio/visual material, computer-assisted instruction, series of practical exams, skill checkout sheets, quizzes, and final examinations. Participants receive a 2-year certification card.

Prerequisites:

Hours: 16

Standard/Reg:

Age Req:

Credit Recommendation: In the lower division baccalaureate/associate degree category, 1 semester hour in Fire Science.
Appendix 30
MEMO

To: Statewide Regents BA Degree Cordinators
Cc: Daniel Reed

From: Charles R. Sypolt

Date: October 29, 2004

Re: Standard Award for Professional Land Surveying Licensure

I would recommend that 44 hours of lower division credit for standard award be given to those individuals that have obtained their professional land surveying license by NCEES and state examinations.
Mark and Regents or Governors Coordinators:

I sought some clarification from my student concerning the surveying test and license. I hope that his information lends clarity to the standard award. At the same time, I've attached documents on WV law with respect to licensing for surveyors. Happy reading!

Anne K. Repaire

I seem to recall that the state exam required you to have xxx years of professional experience before you could take the exam. Is that correct? If so, how many years were required?

In 1991 the rules were changed to "8 years of experience under the supervision of a person authorized to practice land surveying in this state, shall be required for those applicants who are not graduates of a surveying or equivalent curriculum."

I also thought that the exam would not continue indefinitely; that is, I thought it was a temporary measure to bridge the gap between those who had accrued years of experience without a degree, and those who had earned a college degree. Am I correct? Is the exam still being offered, and will it continue to be offered in the foreseeable future?

The rules for testing changed Jan. 1, 2005. You must have applied to take the examination by then, in order to qualify under the old standards. Anyone applying now must have a survey degree; Glenville is the only school in WV offering that degree.

Also, is NCEES required to sit for the exam? I'm wondering why the evaluator grouped NCEES and the state exam together. Another way to state the question is to ask what is the connection between the two?

NCEES is the testing organization. They created the national test that all surveyors in the US must pass, they also grade and coordinate the State specific tests that vary from state to state.

Notice that the evaluator said state examinations, not examination. There is only one test, isn't there? If there is only one, do other states, to your knowledge, offer a similar exam?

The testing is broken down into three areas
   Day 1 - 8 hours - Fundamentals - National test
   Day 2 - 4 hours - Principals & Practices - National test
      2 hours - State Exam

Passing of the National portions of the test earns you a certification as a SIT (Surveyor in Training), upon passing the State Exam you receive a License to practice as a Professional Surveyor. Every State has its own testing and requirements. Virginia's are much tougher than ours and I've been told that the Kentucky Exam has a large section on the history of surveying and the history of Kentucky. Every state is different.
chapter 30 article 13A

A BILL to amend and reenact article 13A, chapter thirty of the code of West Virginia, one thousand nine hundred thirty-one, as amended, relating to the practice of land surveying.

Be it enacted by the Legislature of West Virginia:

That article 13A, chapter thirty of the code of West Virginia, one thousand nine hundred thirty-one, as amended, be amended and reenacted, to read as follows:

CHAPTER 30. PROFESSIONS AND OCCUPATIONS.

ARTICLE 13A. LAND SURVEYORS.

§30-13A-1. License required.

In order to provide for the regulation of land surveying in this state, no person shall engage in, offer to engage in, or hold himself out to the public as being engaged in, the practice of land surveying in this state (except for the persons exempted under the provisions of section seven of this article), unless and until he shall first obtain a license to engage in the practice of land surveying in accordance with the provisions of this article, which license remains unexpired, unsuspended and unrevoked.

Any firm, association, partnership or corporation offering surveying services or advertising as offering land surveying services must maintain a licensee on their company staff by means of majority ownership interest or full-time employee of the company.


Unless the context in which used clearly requires a different meaning, as used in this article:

(a) "Applicant" means any person making application for an original or renewal license under the provisions of this article;

(b) "Licensee" means any person holding a license issued under the provisions of this article;

(c) "Board" means the West Virginia state board of examiners of land surveyors created under the provisions of this article;

(d) "Practice of land surveying" means the rendering or offering to render for a fee, salary or other compensation, monetary or otherwise any of the following services:

(1) The location, relocation, establishment, reestablishment or retraction of any property line or boundary of any parcel of land or of any road or utility right-of-way, easement or alignment;

(2) The performance of any survey for the division, subdivision or resubdivision of any tract of land;

(3) The determination of the position of any monument or reference point which marks a property line boundary or corner, or setting, resetting or replacing any such monument or reference point, by the use of the principles of land surveying;

(4) The determination of the configuration or contour of the earth's surface or the position of fixed objects thereon or related thereto, by means of measuring lines and angles, whether directly, indirectly, by conventional methods or GPS, and applying the principles of mathematics;

(5) The performance of cadastral surveying, underground surveying, surface mine surveying or hydrographic surveying;

(6) The preparation of subdivision maps; and

(7) The preparation of maps or drawings showing any of the above;

(e) "Professional surveyor" means any person who engages in the practice of land surveying;

(f) "Direct supervision" means the responsible licensee shall be in direct control of all field and office operations, including research, evaluation of all data and decisions relative to the final output data/material, i.e., plats, plans, descriptions, etc., that could affect the general public;

(g) "Global positioning system (GPS)" means any measurement of elevations or positions either absolute or relative which utilizes the observation of artificial satellites;

(h) "Mortgage/loan inspection survey" means a boundary retracement survey where structures and improvements are platted with respect to deed property lines for the purpose of title insurance.

(i) "Retraction survey" means a land survey where the boundary lines and corners of a parcel of land are established from an existing legal description.

(j) "Partition survey" means a land survey where a newly created boundary line is established and the associated corners are monumented, creating a new parcel of land.

§30-13A-3. Board of examiners of land surveyors created; appointment, terms, removal, etc., of members; officers; meetings; quorum; compensation and expenses.

(a) There is hereby created the state board of examiners of land surveyors which shall be composed of three members appointed by the governor by and with the advice and consent of the Senate. Each member shall have been actively engaged in the practice of land surveying for at least ten years and shall be the holder of a license under the provisions of this article.

(b) The members of the board shall be appointed for overlapping terms of three years each ending on the thirtieth day of June, and until their respective successors have been appointed and qualified. Members may be reappointed for any number of terms. Before entering upon the performance of his duties, each member shall
take and subscribe to the oath required by section five, article IV of
the constitution of this state. Vacancies shall be filled by
appointment by the governor for the unexpired term of the member
whose office shall be vacant and such appointment shall be made
within sixty days of the occurrence of such vacancy. Any member
may be removed by the governor in case of incompetency, neglect
of duty, gross immorality or malfeasance in office.

(c) The board shall elect from its membership a chairman and
secretary-treasurer. A majority of the members of the board shall
constitute a quorum and meetings shall be held at the call of the
chairman or upon the written request of two members at such time
and place as designated in such call or request, and, in any event,
the board shall meet at least once annually to conduct the
examination hereinafter provided for and to transact such other
business as may come before it.

(d) Members shall be paid such reasonable compensation as the
board may from time to time determine, and in addition may be
reimbursed for all reasonable and necessary expenses actually
incurred in the performance of their duties, which compensation and
expenses shall be paid in accordance with the provisions of
subsection (b), section four of this article.

(e) After having conducted a performance audit through its joint
committee on government operations, pursuant to section nine,
article ten, chapter four of this code, the Legislature hereby finds
and declares that the board of examiners of land surveyors should
be continued and reestablished. Accordingly, notwithstanding the
provisions of section four of said article, the board of examiners of
land surveyors shall continue to exist until the first day of July, two
thousand four.

§30-13A-4. Powers and duties of board; funds.
(a) The board shall have the power and duty to:
(1) Examine applicants and determine their eligibility for a
license to engage in the practice of land surveying;
(2) Prepare, conduct and grade an apt and proper written, oral
or written and oral examination of applicants for a license and
determine the satisfactory passing score thereon;
(3) Promulgate reasonable rules implementing the provisions of
this article and the powers and duties conferred upon the board
hereby, all of which reasonable rules shall be promulgated in
accordance with the provisions of article three, chapter twenty-
nine-a of this code;
(4) Issue, renew, deny, suspend or revoke licenses to engage in
the practice of land surveying in accordance with the provisions
of this article;
(5) Investigate alleged violations of the provisions of this article,
reasonable rules promulgated hereunder and orders and final
decisions of the board and take appropriate disciplinary action
against any licensee for the violation thereof or institute
appropriate legal action for the enforcement of the provisions of
this article, reasonable rules promulgated hereunder and orders
and final decisions of the board or take such disciplinary action
and institute such legal action;
(6) Keep accurate and complete records of its proceedings,
certify the same as may be appropriate and prepare, from time
to time, a list showing the names and addresses of all licensees;
(7) Take such other action as may be reasonably necessary or
appropriate to effectuate the provisions of this article; and
(8) Establish standards to evaluate surveying curricula as it
relates to the practice of land surveying under the provisions of
this article and to determine the amount of experience required
under section five of this article which may be substituted for a
particular curriculum.

(b) All moneys paid to the board shall be accepted by a person
designated by the board and deposited by him with the treasurer of
the state and credited to an account to be known as the "board
of examiners of land surveyors fund". All of the reasonable
compensation of the members of the board, the reimbursement of
all reasonable and necessary expenses actually incurred by such
members and all other costs and expenses incurred by the board in
the administration of this article shall be paid from such fund, and no
part of the state's general revenue fund shall be expended for this
purpose.

§30-13A-5. Qualifications of applicants for licenses; surveyor-in-
training applications; fees; examinations.
(a) To be eligible for a license to engage in the practice of land
surveying, the applicant must:
(1) Be at least eighteen years of age;
(2) Be of good moral character;
(3) Have been a resident of the United States for one year
immediately preceding the date of application;
(4) Not have been convicted of a crime involving moral
turpitude;
(5) Have completed at least one of the following:
   i) A two year degree in land surveying or related field
      approved by the Board, provided such degree shall
      either include or be accompanied by the completion of
      at least 30 credit hours of surveying or surveying related
courses as approved by the Board, and obtained four
years or more experience approved by the Board, under
the supervision of a person authorized to practice land
surveying in this State, or a person authorized in
another state or country to engage in the practice of
land surveying; or,

ii) A four year non-surveying degree approved by the
board, provided such degree shall either include or be
accompanied by the completion of at least 30 cred it
hours of surveying or surveying related courses as
approved by the Board, and obtained four years or
more experience as approved by the Board, under the
supervision of a person authorized to practice land
surveying in this State, or a person authorized in
another state or country to engage in the practice of
land surveying; or,

iii) A four year degree in land surveying approved by the
Board, provided such degree shall either include or be
accompanied by the completion of at least 30 cred it
hours of board approved surveying or surveying related
courses, and obtained two years or more experience
approved by the Board, under the supervision of a
person authorized to practice land surveying in this
State, or a person authorized in another state or country
to engage in the practice of land surveying; or,

iv) Obtained eight years of experience approved by the
Board, under the supervision of a person authorized to
practice land surveying in this State, or a person
authorized in another state or country to engage in the
practice of land surveying. Any individual desiring to
pursue licensure based on the eight years experience
requirement must apprise the Board on or before the
first day of January 2004.

(6) Have passed the examination prescribed by the board,
which examination shall cover the West Virginia Laws,
regulations and boundary laws of land surveying and land
surveying skills and techniques.

(b) Any applicant for any such license shall submit an application
therefore on forms provided by the board. Such application shall be
verified and shall contain a statement of the applicant's education
and experience, the names of five persons for reference (at least
three of whom shall be licensees or persons authorized in another
state or country to engage in the practice of land surveying, who
have knowledge of his work) and such other information as the
board may from time to time by reasonable rule prescribe.

(c) An applicant shall pay to the board with his application an
examination fee for the purpose of covering the cost of the
examination as determined by the board by rule.

(d) Examinations shall be held at least once each year at such time
and place as the board shall determine. The scope of the
examination and methods of procedure shall be determined by the
board. An applicant who fails to pass all or any part of an
examination may reapply at any time and shall furnish additional
information as requested by the board. The cost of reexamination
shall be based on the cost of the examination as determined by the
board by rule.

(e) The board shall offer a Fundamentals of Land Surveying
examination to any Board approved applicant who has acquired an
Associate Degree in Land Surveying and 1 year's experience, as
approved by the Board, or has acquired a Baccalaureate Degree in
a non-surveying field and 1 year's experience, as approved by the
Board, or has acquired a Baccalaureate Degree in Land Surveying.
A Surveyor-in-Training (SIT) certificate shall be issued by the Board
to any such applicant who passes the Fundamentals of Land
Surveying examination. Applicants must pass the Fundamentals of
Land Surveying examination and complete the work experience and
other requirements of the Board before they are allowed to take the
second portion of the examination that consists of the principles and
practices of land surveying and the West Virginia examinations.

§30-13A-5a. Underground surveying; additional requirements.

After the first day of July, one thousand nine hundred seventy,
no person required to be licensed under the provisions of this article
shall engage in underground surveying until he shall have first
obtained a license under the provisions of this article and in addition
shall have received from the board, after application therefore and
payment of a fee to be determined by the board, a certificate to
engage in underground surveying, which certificate shall remain
valid so long and only so long as the license issued to such person
under the provisions of this article remains unexpired, unsuspended
and unrevoked. In order to be eligible for such certificate such
dperson shall, in addition to the requirements for a license, have
three years or more experience in the practice of underground
surveying and pass an examination on relevant material as may be
prescribed by the board. In the event an application for any such
certificate is denied, all of the provisions of sections nine and ten of
this article shall be as fully applicable as if the application denied
were an application for a license under the provisions of this article.

§30-13A-6. Issuance of license; notice of expiration; renewal;
renewal fee; display.

Whenever the board finds that an applicant meets all of the
requirements of this article for a license to engage in the practice of
land surveying, it shall forthwith issue to such person such license;
and otherwise the board shall deny the same. All licenses, whether
original or renewal, shall expire on the thirtieth day of June following
the date of issuance or renewal. The secretary-treasurer of the
board shall mail to every licensee, at least thirty days prior to the
expiration of such license, notice of the expiration date and the
amount of the renewal fee. A license may be renewed without
examination upon application for a renewal on a form prescribed by
the board and payment to the board of an annual renewal fee to be
determined by the board by rule. If a license is not renewed when
due, the fee shall increase one dollar per month for each month or
fraction thereof that such renewal fee is not paid, up to a maximum
of thirty-six months. No license shall be renewed after expiration of
said period of thirty-six months, and the fact that a license cannot be
renewed because of the expiration of said period of thirty-six months
shall not prevent such person from making application for a new
license. The board may deny any application for renewal for any
reason which would justify the denial of an original application for a
license. The board shall prescribe the form of licenses and
certificates, and each such certificate shall be conspicuously
displayed by the licensee at his or her principal place of practice. A
duplicate license may be issued upon payment of a fee to be
determined by the Board.

§30-13A-7. Exemption from licensing.

The following persons are exempt from licensing under the
provisions of this article and may engage in the practice of land
surveying without a license issued under the provisions of this
article:

(a) Any employee of a proprietorship, partnership, association,
corporation or other business entity which is engaged in the
practice of land surveying in this state: Provided, That the work
of any such employee is done under the direct supervision of
and certified by a licensed professional surveyor who is an
employee or a majority owner of the proprietorship, partnership,
association, corporation or other business entity;
(b) Any employee of a person, firm, association or corporation,
when such employee is engaged in the practice of land
surveying exclusively for the person, firm, association or
corporation by which employed, or, if a corporation, its parents,
affiliates or subsidiaries, and such person, firm, association or
corporation does not hold himself or itself out to the public as
being engaged in the business of land surveying;
(c) Any employee or officer of the United States, this state or
any political subdivision thereof, when such employee is
engaged in the practice of land surveying exclusively for such
governmental unit except that after January 1, 2005 any person
elected as a county surveyor for any county of this State shall
not be installed into the office of county surveyor unless and
until he or she shall first obtain a license to engage in the
practice of land surveying in accordance with the provisions of
this article, and which license remains unexpired, unsuspended
and unrevoke.

All boundary retracement work performed by exempted individuals
must comply with minimum standards and the Rules and Regulations as
prescribed by the board.

§30-13A-8. Suspension or revocation of license.

(a) The board may at any time upon its own motion and shall upon
the verified written complaint of any person conduct an investigation
to determine whether there are any grounds for disciplinary action
against the holder of a license or the suspension or revocation of a
license issued under the provisions of this article.
(b) The board shall suspend or revoke the license of any licensee,
put the holder of any such license on probation; and/or impose a
fine not to exceed one thousand dollars on the holder of any such
license when it finds the holder thereof has:

(1) Been convicted of a crime involving moral turpitude;
(2) Obtained a license by means of fraud or deceit;
(3) Been incompetent, grossly negligent, or guilty of fraud,
deceit or other misconduct in the practice of land surveying as
defined by the board by reasonable rules; or
(4) Failed or refused to comply with the provisions of this article
or any order or final decision of the board.
(c) Any suspension of a license shall continue for the period
specified in the order of suspension.
Revocation of a license shall not preclude application for a new
license, which application shall be processed in the same manner
and the application approved or denied and the license issued or
refused on the same grounds as any other application for a license
is processed, considered and determined, except that any previous
suspension and the revocation may be considered in deciding
whether to approve or deny such application and issue or refuse to
issue such license.


(a) Whenever the board shall deny an application for any original or
renewal license or shall suspend or revoke any license, it shall make
and enter an order to that effect and serve a copy thereof on the
applicant or licensee, as the case may be, by certified mail, return
receipt requested. Such order shall state the grounds for the action
taken and shall require that any license suspended or revoked
thereby shall be returned to the board by the holder within twenty
days after receipt of said order.
(b) Any person adversely affected by any such order shall be
entitled to a hearing thereon (as to all issues not excluded from the
definition of a "contested case" as set forth in article one, chapter
twenty-nine-a of this code) if, within twenty days after receipt of a copy thereof, he or she files with the board a written demand for such hearing. A demand for hearing shall operate automatically to stay or suspend the execution of any order suspending or revoking a license or denying an application for a renewal license. The board may require the person demanding such hearing to give reasonable security for the costs thereof and if such person does not substantially prevail at such hearing such costs shall be assessed against him or her and may be collected by an action at law or other proper remedy.

(c) Upon receipt of a written demand for such hearing, the board shall set a time and place therefore not less than ten and not more than thirty days thereafter. Any scheduled hearing may be continued by the board upon its own motion or for good cause shown by the person demanding the hearing.

(d) All of the pertinent provisions of article five, chapter twenty-nine-a of this code shall apply to and govern the hearing and the administrative procedures in connection with and following such hearing, with like effect as if the provisions of said article five were set forth in this subsection.

(e) Any such hearing shall be conducted by a quorum of the board. For the purpose of conducting any such hearing any member of the board shall have the power and authority to issue subpoenas and subpoenas duces tecum which shall be issued and served within the time, for the fees and shall be enforced, as specified in section one, article five of said chapter twenty-nine-a, and all of the said section one provisions dealing with subpoenas and subpoenas duces tecum shall apply to subpoenas and subpoenas duces tecum issued for the purpose of a hearing hereunder.

(f) At any such hearing the person who demanded the same may represent themselves or be represented by an attorney at law admitted to practice before any circuit court of this state. Upon request by the board, it shall be represented at any such hearing by the attorney general or his assistants without additional compensation.

(g) After any such hearing and consideration of all of the testimony, evidence and record in the case, the board shall render its decision in writing. The written decision of the board shall be accompanied by findings of fact and conclusions of law as specified in section three, article five, chapter twenty-nine-a of this code, and a copy of such decision and accompanying findings and conclusions shall be served by certified mail, return receipt requested, upon the person demanding such hearing, and their attorney of record, if any.

(h) The decision of the board shall be final unless reversed, vacated or modified upon judicial review thereof in accordance with the provisions of section ten of this article.

§30-13A-10. Judicial review; appeal to supreme court of appeals; legal representation for board.

Any person adversely affected by a decision of the board rendered after a hearing held in accordance with the provisions of section nine of this article shall be entitled to judicial review thereof. All of the pertinent provisions of section four, article five, chapter twenty-nine-a of this code shall apply to and govern such judicial review with like effect as if the provisions of said section four were set forth in this section.

The judgment of the circuit court shall be final unless reversed, vacated or modified on appeal to the supreme court of appeals in accordance with the provisions of section one, article six, chapter twenty-nine-a of this code.

Legal counsel and services for the board in all appeal proceedings in any circuit court and the supreme court of appeals shall be provided by the attorney general or his assistants and in any circuit court by the prosecuting attorney of the county as well, all without additional compensation.

§30-13A-11. Seal or stamp.

Each licensee shall obtain a seal or stamp of the design authorized by the board, bearing his or her name and the legend, "Professional Surveyor." Plans, plats, maps, drawings and reports issued by a licensee shall be stamped with the seal or stamp. It shall be unlawful for anyone to stamp or seal any document with such seal or stamp unless the license of the licensee named thereon remains unsuspended, unrevoked and unexpired.


(a) No plat, survey document, plan, map, drawing, exhibit, sketch or pictorial representation intended to be used in the transfer of real property shall be filed by any clerk of a county commission or accepted by any public official of this state unless the seal required by section eleven of this article has been affixed thereto by a licensee authorized to engage in land surveying in the State of West Virginia, except that any survey document, plan, map, drawing, exhibit, sketch or pictorial representation, prepared by a person exempted from the regulation and licensing requirements of this article, as provided in section seven of this article, shall not be required to have the seal required by section eleven of this article affixed thereto. If a survey document, plan, plat, map, drawing, exhibit, sketch or pictorial representation has been altered from its original form, it shall not be filed by any clerk of a county or accepted by any public official of this state. Nothing in this section shall prevent a survey document prepared prior to the twenty-fifth day of May, one thousand nine hundred sixty-nine, from being recorded without such seal. If a seal of such exempt person is not affixed
to said survey document, plan, plat, map, drawing, exhibit, sketch or pictorial representation, a certificate shall be placed thereon by the exempt person, stating upon what the exemption is claimed. Said certificate shall be in a form similar to the following:

"I certify that I am engaged in surveying exclusively for __________________________ and believe I am exempt from licensing under West Virginia Code 30-13A-7, and that I have complied with all rules and regulations governing surveying in West Virginia as set out and prescribed by the board.

____________________________________
Signature"

(b) No land transfer for new property partitions or subdivision thereof shall be recorded without a plat and description of survey attached therewith.


Whenever it appears to the board that any person has been or is violating or is about to violate any provision of this article, any reasonable rule and regulation promulgated hereunder or any order or final decision of the board, the board may apply in the name of the state to the circuit court of the county in which the violation or violations or any part thereof has occurred, is occurring or is about to occur, or the judge thereof in vacation, for an injunction against such person and any other persons who may have been, are or are about to be, involved in any practices, acts or omissions, so in violation, enjoining such person or persons from any such violation or violations. Such application may be made and prosecuted to conclusion whether or not any such violation or violations have resulted or shall result in prosecution or conviction under the provisions of section fourteen of this article.

Upon application by the board, the circuit courts of this state may by mandatory or prohibitory injunction compel compliance with the provisions of this article, the reasonable rules and regulations promulgated hereunder and all orders and final decisions of the board. The court may issue a temporary injunction in any case pending a decision on the merits of any application filed.

The judgment of the circuit court upon any application permitted by the provisions of this section shall be final unless reversed, vacated or modified on appeal to the supreme court of appeals. Any such appeal shall be sought in the manner and within the time provided by law for appeals from circuit courts in other civil actions.

The board shall be represented in all such proceedings by the attorney general or his assistants and in such proceedings in the circuit court by the prosecuting attorneys of the several counties as well, all without additional compensation.


(a) Any person, licensed or unlicensed, who violates any of the provisions of this article, any of the reasonable rules and regulations promulgated hereunder or any order or any final decision of the board shall be guilty of a misdemeanor, and, upon conviction thereof, may be punished by imprisonment for not more than three months or by a fine of not more than one thousand dollars, or by both such fine and imprisonment.

(b) No action to recover damages for any deficiency, defect, omission, error, or miscalculation in a survey or plat shall be brought against licensed professional surveyors or their employees engaged in the practice of land surveying who perform or furnish such survey or plat more than six years from the date of the survey of the survey or plat. The cause of action in such case shall accrue when such services are rendered as shown from the date on the survey or plat. Any such action not instituted within the six-year period provided by this subsection shall be forever barred.


If any provision of this article or the application thereof to any person or circumstance is held unconstitutional or invalid, such unconstitutionality or invalidity shall not affect other provisions or applications of the article, and to this end the provisions of this article are declared to be severable.


(a) When any licensed professional surveyor makes a property boundary retracement survey or partition survey as defined in section two of this article, he shall make a plat and description thereof, and shall furnish a copy thereof to the client or landowner. If the title to the land surveyed is conveyed, the plat and description of survey prepared by a licensed professional surveyor shall be recorded simultaneously with the instrument conveying title, except when such plat has already been recorded and reference given in lieu of a second recording of said plat.

(b) No land transfer for new property partitions or subdivision thereof shall be recorded without a plat and description of survey attached therewith.

§30-13A-17. "West Virginia Coordinate Systems"; definition, plane coordinates, limitations of use.

(a) The systems of plane coordinates which have been established by the National Ocean Survey/National Geodetic Survey (formerly the United States Coast Geodetic Survey) or its successors for defining and stating the geographic position or locations of points on the surface of the earth within the state of West Virginia are hereafter to be known and designated as the
"West Virginia Coordinate System of 1927" and the "West Virginia Coordinate System of 1983."

For the purpose of the use of this system the state is divided into a "North Zone" and a "South Zone."

The area now included in the following counties shall constitute the North Zone: Barbour, Berkeley, Brooke, Doddridge, Grant, Hampshire, Hancock, Hardy, Harrison, Jefferson, Marion, Marshall, Mineral, Monongalia, Morgan, Ohio, Pleasants, Preston, Ritchie, Taylor, Tucker, Tyler, Wetzel, Wirt and Wood.

The area now included in the following counties shall constitute the South Zone: Boone, Braxton, Cabell, Calhoun, Clay, Fayette, Gilmer, Greenbrier, Jackson, Kanawha, Lewis, Lincoln, Logan, McDowell, Mason, Mercer, Mingo, Monroe, Nicholas, Pendleton, Pocahontas, Putnam, Raleigh, Randolph, Roane, Summers, Upshur, Wayne, Webster and Wyoming.

(b) As established for use in the North Zone, the West Virginia Coordinate System of 1927 or the West Virginia Coordinate System of 1983 shall be named; and in any land description in which it is used it shall be designated, the "West Virginia Coordinate System of 1927 North Zone" or "West Virginia Coordinate System of 1983 North Zone."

As established for use in the South Zone, the West Virginia Coordinate System of 1927 or the West Virginia Coordinate System of 1983 shall be named; and in any land description in which it is used it shall be designated, the "West Virginia Coordinate System of 1927 South Zone" or "West Virginia Coordinate System of 1983 South Zone."

(c) The plane coordinate values for a point on the earth's surface, used to express the geographic position or location of such point in the appropriate zone of this system, shall consist of two distances, expressed in U.S. survey feet and decimals of a foot when using the West Virginia Coordinate System of 1927, and expressed in meters and decimals when using the West Virginia Coordinate System of 1983. One of these distances, to be known as the "x-coordinate," shall give the position in an east-and-west direction; the other, to be known as the "y-coordinate," shall give the position in a north-and-south direction.

These coordinates shall be made to depend upon and conform to plane rectangular coordinate values for the monumented points of the North American Horizontal Geodetic Control Network as published by the National Ocean Survey/National Geodetic Survey (formerly the United States Coast and Geodetic Survey), or its successors, and whose plane coordinates have been computed on the system defined by this section. Any such station may be used for establishing a survey connection to either West Virginia coordinate system.

(d) For purposes of describing the location of any survey station or land boundary corner in the state of West Virginia, it shall be considered a complete, legal, and satisfactory description of such location to give the position of said survey station or land boundary corner on the system of plane coordinates defined in this section.

Nothing contained in this section shall require a purchaser or mortgagee of real property to rely wholly on a land description, any part of which depends exclusively upon either West Virginia coordinate system.

(e) When any tract of land to be defined by a single description extends from one into the other of the above coordinate zones, the position of all points on its boundaries may be referred to either of the two zones. The zone which is being used specifically shall be named in the description.

(f) (1) For purposes of more precisely defining the West Virginia Coordinate System of 1927, the following definition by the United States Coast and Geodetic survey (now National Ocean survey/National Geodetic survey) is adopted:

The "West Virginia Coordinate System of 1927 North Zone" is a Lambert conformal conic projection of the Clarke Spheroid of 1866, having standard parallels at north latitudes 39 degrees and 00 minutes and 40 degrees and 15 minutes, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 79 degrees 30 minutes west of Greenwich and the parallel 38 degrees 30 minutes north latitude. This origin is given the coordinates: \( x = 2,000,000 \) feet and \( y = 0 \) feet.

The "West Virginia Coordinate System of 1927 South Zone" is a Lambert conformal conic projection of the Clarke Spheroid of 1866, having standard parallels at north latitudes 37 degrees 29 minutes and 38 degrees 53 minutes, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 81 degrees 00 minutes west of Greenwich and the parallel 37 degrees 00 minutes north latitude. This origin is given the coordinates: \( x = 2,000,000 \) feet and \( y = 0 \) feet.

(2) For purposes of more precisely defining the West Virginia Coordinate System of 1983, the following definition by the National Ocean survey/National Geodetic survey is adopted:

The "West Virginia Coordinate System of 1983 North Zone" is a Lambert conformal conic projection of the North American Datum of 1983, having standard parallels at north latitudes 39 degrees and 00 minutes and 40 degrees and 15 minutes, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 79 degrees 30 minutes west of Greenwich and the parallel 38 degrees 30 minutes north latitude. This origin is given the coordinates: \( x = 600,000 \) meters and \( y = 0 \) meters.

The "West Virginia Coordinate System of 1983 South Zone" is a
Lambert conformal conic projection of the North American Datum of 1983, having standard parallels at north latitudes 37 degrees 29 minutes and 38 degrees 53 minutes, along which parallels the scale shall be exact. The origin of coordinates is at the intersection of the meridian 81 degrees 00 minutes west of Greenwich and the parallel 37 degrees 00 minutes north latitude. This origin is given the coordinates: \( x = 600,000 \) meters and \( y = 0 \) meters.

(g) No coordinates based on the West Virginia coordinate system, purporting to define the position of a point on a land boundary, shall be presented to be recorded in any public records or deed records unless such point is based on a public or private monumented horizontal control station established in conformity with the standards of accuracy and specifications for first order or better geodetic surveying as prepared and published by the Federal Geodetic Control Committee (FGCC) of the United States department of commerce. The plat and description must bear the basis of control identified by 1) monument name and/or PID (point identifier) that the survey is based on, 2) the order of accuracy of that base monument, and 3) the coordinate values used to compute the corner positions from. Standards and specifications of the FGCC or its successor in force on date of said survey shall apply. The publishing of the existing control stations, or the acceptance with intent to publish the newly established control stations, by the National Ocean survey/National Geodetic survey shall constitute evidence of adherence to the FGCC specifications. The above limitations may be modified by a duly authorized state agency to meet local conditions.

(h) The use of the term "West Virginia Coordinate System of 1927 North or South Zone" or "West Virginia Coordinate System of 1983 North or South Zone" on any map, report of survey or other document shall be limited to coordinates based on the West Virginia coordinate system as defined in this section.

(i) Nothing in this section shall prevent the recordation in any public record of any deed, map, plat, survey, description or of any other document or writing of whatsoever nature which would otherwise constitute a recordable instrument or document even though the same is not based upon or done in conformity with the West Virginia coordinate system established by this section, nor shall such nonconformity with such system invalidate any deed, map, plat, survey, description or other document which is otherwise proper.


The purpose of these standards is to establish minimum technical criteria to govern the performance of surveyors when more stringent specifications are not required by other agencies, contract, etc. Further, the purpose is to protect the inhabitants of this state from dishonest or incompetent surveying, and generally to protect the public welfare.

(a) The client discussion prior to the survey should cover the purpose of survey, scope of services, disputes with adjoiners fees and contract.

(b) The record search should include the record description based on current and prior deeds, conveyance from common grantor, or if necessary original survey or grant. It should also include descriptions of adjoining properties, other sources of information or resolution of conflicts in descriptions. All records of information sources used should be retained as a permanent record.

(c) The field survey shall consist of a reasonable attempt at adjoiner notification, a field search for controlling evidence, a discussion of evidence with the owner and/or client, or others having knowledge of the boundaries and the location of evidence by appropriate methods and procedures. The surveyor shall use methods and equipment suitable for the purpose of the survey and the field notes shall be retained as a permanent record.

(d) Distance shall be reported in feet or meters, or fractions thereof, and directions shall be reported in degrees or parts thereof. The observations shall be made to a precision that shall produce the desired level of accuracy. Area of the tract being surveyed shall be reported to a precision consistent with the purpose of the survey. All measuring devices will be checked periodically for accuracy and condition.

(e) Monumentation is required for all new or reestablished corners, or reference monument for inaccessible corners, and is encouraged at intervisible points between corners. Set monuments shall be made of durable material and set firmly in the ground. Pipes shall have a minimum inside diameter of one inch, while rebars shall have a minimum outside diameter of five-eights inch and both shall have a minimum length of thirty inches. All rebars and pipes shall have caps bearing the surveyor's registration number or company name. Other markers shall have a minimum cross-sectional area of one-half square inch and shall be of durable material, identifiable and unique. Natural objects chosen for corners shall be durable, unique and easily identifiable.

(f) A plat shall be prepared for all boundary surveys, it shall show the results of the field survey and if contractual obligations between the surveyor and the client have been satisfactorily met or completed, certified copies of the plat shall be provided to the client, and the adjoiners, if so requested by the client. Plats shall be to a scale large enough to show significant details.
Information on plats shall include when applicable north arrows and basis of bearings, date of survey, measured length and direction of each boundary line by distance, bearing and quadrant and evidence of possession on or near the property line and the acreage or square footage of the tract being surveyed.

The description of all corners or reference monuments, and whether found (fd) or set, area of the parcel and of significant parts, including streets, alleys and nonlotted area of subdivision, state, county and district or municipality shall be shown on the plat. The subdivision name, lot, block and plat reference shall also be shown on subdivision or lot surveys.

The tax map, tax parcel number, name of current and/or past owners for subject property and adjoiners, current conveyance reference for subject property and adjoiners shall be shown. Name, address, license number, signature, seal of surveyor, overlaps and gaps in record lines, former deed or grant lines as needed, ties to significant objects and general location information shall also be included.

(g) A description shall be prepared for each boundary survey and shall be provided to the client. A description shall include the state, county, district or municipality and watershed or topographic location. Lot and block numbers shall be shown for new platted subdivisions, but retraction surveys for lots and other surveys shall require a meters and bounds description. The description shall also include the point of beginning, the description of monumentation at each corner and objects encountered along the line, the length and direction of each line, and the radius, chord bearing and distance of a curved boundary.

The description shall also show the intent with regard to adjoiner, physical evidence or record monument along the line. The area of the parcel, reference to plat and surveyor preparing description and the reference to conveyance by which the current owner claims title, including grantor, grantee, date and place.

(h) The report of survey shall be used when the plat and description do not adequately address all matters considered by the surveyor in performing the survey and shall be provided to the client with a plat and description, and the adjoiners, if so requested by the client.

The report should include all unusual circumstances surrounding the survey, weight given to conflicting evidence and encroachments, overlaps or gaps, and the names of adjoiners contacted and the information they supplied.

(i) A mortgage/loan inspection survey shall show boundaries of a property which have been surveyed in accordance with the methods set forth by the board in this article, the plat shall also show structures and improvements as requested by the landowner or other person commissioning the survey.
Appendix 31
DATE: October 18, 2005

TO: Calisa Pierce, Director of Adult Experiential Learning

FROM: Carol Howerton, Chair – Division of Technology and Engineering

SUBJECT: Mining Certification Course Equivalencies

Per review of the certifications and existing materials, I recommend the following credit awards:

Surface Miner or Apprentice Surface Miner – 3 hours credit
(Southern MN 101 – Introduction to Mining)
Students take the 40 hour mine training course approved by the West Virginia Office of Miners’ Health, Safety and Training.

Apprentice training prepared and delivered by WVU Extension Program and certified instructors and accepted as part of the Mining Technology program by the mining industry advisory committee.

Underground Miner or Apprentice Underground Miner – 5 hours credit
(Southern MN 101 – Introduction to Mining)
Students take the 80 hour mine training course approved by the West Virginia Office of Miners’ Health, Safety and Training.

Apprentice training prepared and delivered by WVU Extension Program and certified instructors and accepted as part of the Mining Technology program by the mining industry advisory committee.

Certified Mine Electrician – 6 hours credit
(Southern: EG 216 – Mining Electricity I and EG 217 – Mining Electricity II)
Courses designed to prepare students for mineworker electrical certification. Courses include introduction to National Electric Code, MSHA requirements for electrical systems, basic electrical principles, mining power applications and safety techniques, three-phase motors, transformers, motor control and power systems in mining applications.

"Southern is an EOE, ADA, AA Institution"
Courses developed specifically for a mining industry partner as their training for their employees to earn the electrical certification.

Prep-Plant Technician – 3 credit hours
(Southern: MN 201 – Preparation of Coal)
Deals with the preparation and steps in analysis of coal.

Course as previously offered in Mining Technology program at Southern. This is experience based, not certification based.

Coal Lab Technician – 2 credit hours
(Southern EV 225 – Soil/Coal Analysis)
A laboratory course which emphasizes the methods of analyzing soil and coal samples for various constituents components. Use of the latest equipment and methods of analysis will be emphasized.

Course currently offered at Southern under the environmental program. Credit award would require documented training certificate or specific work experience in a lab testing facility.

Mine Foreman – 6 credit hours
(Southern: MN 150 – Mine Foreman Certification I)
This course is designed to familiarize students with general mining concepts and methods of operation to the extent necessary to promote an efficient process of mining and a reliable method of decision making. It will also, inherently, partially prepare the student for the West Virginia Foreman Examination.

Course as previously offered in Mining Technology program at Southern.

Foreman/Fireboss Certification – 6 hours credit
Course and hours as outlined by the Southeast Applied Technology College that offers a mining technology program for training as foreman to meet MSHA certification requirements.  http://seatc.org/mining/Foreman-Fireboss.htm

Truck Driver – 1 credit hour
Based on training as outlined by the Public Service Commission of West Virginia. CDL license training would be in addition to this one hour credit. We currently give 14 credit hours under technical studies, special topics, for the truck driving academy coursework for CDL license for trucks which is more geared toward big rigs. Will be in the next Southern catalog.  http://www.psc.state.wv.us/CoalTransportation/drivertraining.htm

Shot Firer – 1 credit hour
Mine Rescue – 1 credit hour
Certification requires 31 hours of formal training signed by a state-certified instructor in addition to the certification exam. (The hours are lab equivalent.) Source: State of West Virginia – Office of Miners’ Health, Safety and Training Certification Policy Manual – Code: 17.

Not completed according to West Virginia Office of Miners’ Health, Safety and Training (MHST)
Shaft/Slope Superintendent
Shaft/Slope Examiner Foreman
Surface Construction Super
Gas Tester
Shaft/Slope Shot Firer
Instructors (Mine Rescue, 40/80 hour, qualified diesel)
Gas Test Inst.; Cnstl., Sh/SL Super.

Others not listed on MHST list.
Blaster – waiting on information from DEP office.
Heavy Equipment Operator – to be developed.
Appendix 32
April 20, 2006

Paul Milhoan, MBA, ABD
Assistant Professor and Chair of Technology
Director BOG A.A.S. and RBA
WVU-Parkersburg
300 Campus Drive
Parkersburg, WV 26104

Dear Mr. Milhoan,

As Chairperson of the Health Sciences Division at West Virginia University at Parkersburg, I propose that students who successfully complete the nursing assistant program and become certified be awarded 5 hours of lower division credit hours in the Regents Associate and Baccalaureate Degree programs.

If you have questions, please contact me at 304.424.8300.

Sincerely,

[Signature]

Alita K. Sellers, PhD, RN
CNA Certification: The required hours for the certified nursing assistant program are 65 classroom and 55 clinical hours. All of these hours represent basic fundamental skills. Typically the hours are taught in four to six weeks - It is an immersion experience.

STATE OF WEST VIRGINIA
NURSE AIDE EDUCATION AND COMPETENCY EVALUATION PROGRAM
DOCUMENTATION OF REGISTRATION
AS A LONG TERM CARE NURSE AIDE

REGISTRATION NO. 0403-45103 ISSUED 5/23/2003

SIGNATURE

Director, OMPLAC

WRITTEN NOTIFICATION OF CHANGE OF ADDRESS IS REQUIRED WITHIN 30 DAYS. SEND CHANGE, REGISTRY NUMBER AND SOCIAL SECURITY NUMBER TO:

NURSE AIDE PROGRAM
Bureau for Public Health
Office of Health Facility Licensure & Certification
350 Capitol Street, Room 206
Charleston, WV 25301-3718

1-800-442-2888 (304) 558-4688
Online Verification of Nurse Aide

The Online Verification of Nurse Aide page is provided to assist employers and the public in expediting the verification of the status of a nurse aide in the state of West Virginia.

We have provided two means of searching the database. You can search by Social Security Number or Registry Card Number. If you have any questions or comments about results that are returned, please contact the Nurse Aide Registry Staff.

Search by:

<table>
<thead>
<tr>
<th>Social Security Number</th>
<th>EVAL - Code</th>
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<tr>
<td>Format: xxx-xx-xxxx</td>
<td>0403-45103</td>
</tr>
<tr>
<td>Search</td>
<td>Format: xxxx-xxxxxxx</td>
</tr>
</tbody>
</table>

If you have any questions, comments or suggestions about this site, please feel free to e-mail JanShafer@wvdhhr.org
Office of Health Facility Licensure and Certification
(304) 558-0050
Capitol And Washington Street
1 Davis Square, Suite 101
Charleston, WV 25301-1799

Click here to search again

Nurse Aide Registry Search Results for
0403-45103

This database was updated 4/20/2006 4:20:00 AM.

Social Security Number: 232-88-4651
Eval - Code: 0403-45103
Status: Active

Current Standing: Good Standing
Entry into Database: 4/26/2003
Due to Re-register: 4/28/2007

Lookup was completed at 4/20/2006 6:22:10 PM

If you have any questions, comments or suggestions about this site, please feel free to e-mail JanShafer@wvdhhr.org
Appendix 33
Memo

Date: 4/19/2006
To: Program Coordinators: Board of Governors AAS, & Regents Bachelors of Arts
Cc:
From: Steven L. Brown, Marshall Community and Technical College
RE: Massage Therapy Equivalent College Credit Evaluation

The Massage Therapy program of study has been reviewed by Janet Smith (Allied Health Division) and Carol Perry (Associate Dean of General Studies) and they recommend the awarding of the following credits for graduates from approved massage therapy programs:

Anatomy & Physiology for Massage Therapy 11
Awareness Skills, Orientation, Business & Research 4
Body Work I 6
Body Work II 5
Pathology For Massage Therapy 5
Student Clinical/Integrative 2-4*
Kinesiology for M.T. 7

Total Credit Recommendation 40-42 (all lower level)

* The credit hours to be awarded will vary based on the length of the program. To earn four credits hours students must at a minimum complete a 733 hour program of study. Students completing a 700 hour program will earn 2 credit hours.

To be awarded these credits students must have completed a program at a school that is accredited by a nationally recognized accrediting body (such as the Commission On Massage Therapy Accreditation) or pass a state licensure exam.

4/19/2006
Appendix 34
Memorandum

To: Mark W. Stotler, Ed.D.
   Assistant Director of Academic Affairs
   Higher Education Policy Commission

CC: RBA/BOG A.A.S. Coordinators

From: Paul L. Milhoan, Ed.D
   Director, Non-Traditional Programs
   WVU-Parkersburg

Date: October 14, 2008

Re: West Virginia Corrections Academy Course Evaluation Process

As discussed during the Joint RBA/BOG A.A.S. Coordinators Meeting at Marshall CTC on October 10, 2008, the group of basic corrections academy training courses (WVCA 101 through 138) totals 10 lower-division college-level credit hours, and the group of specialized corrections academy training courses (WVCA 201 through 229) totals 91 lower-division college-level credit hours.

Four WV Correctional Academy plans-of-study regarding the specialized corrections academy training courses were identified as 1) Correctional Officer, Corrections Emergency Response Team (CERT) Officer or Marksman-Observer, 2) Crisis Negotiator (CNT) or Correctional Officer, Correctional Counselor, Case Manager, Unit Manager, 3) Controlled and Dangerous Substance (CDS) K-9 Handler, and 4) Patrol K-9 Handler, and a group of courses was identified for each correctional academy plan-of-study with each plan-of-study totaling 29 lower-division college-level credit hours. Upon successful completion of the WV Corrections Academy basic training courses and a corrections academy plan-of-study, students will have a total of 39 lower-division college-level credit hours.

Students will likely complete the group of basic corrections academy training courses and choose and complete one plan-of-study for a total of 39 lower-division college-level credit hours, however some students may choose to complete multiple plans-of-study. In that case, students will only get credit for the additional courses not taken in their primary plan-of-study, and students will not be awarded college credit for duplicated course hours. The table on the following page lists possible combinations of the plans-of-study and associated credit hour awards:
Table 1: Possible Combinations of Plans-of-Study and Associated Credit Hour Awards

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<th>Option Choices</th>
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<td>73</td>
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<td>2, 3, 4</td>
<td>73</td>
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<td>1, 2, 3, 4</td>
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</table>

The West Virginia Corrections Academy will provide an Individual Training Report (ITR) for each student which identifies the courses and course hours taken. Eventually, the WVCA course prefix and course numbers will appear on the ITR as well as, the group of basic corrections academy courses and one or more of the four plans-of-study regarding specialized corrections academy courses that students may have taken. See an example of a current ITR (basic corrections academy courses listed only) which is attached to this document.

If a student completes the basic academy courses (10 credit hours) and one plan-of-study (29 credit hours), then the student will be awarded 39 credit hours of college credit. If the student completes the basic academy courses (10 credit hours) and multiple plans-of-study, then use the table above to determine the appropriate plans-of-study combination and credit hour award and add the basic academy course credit hours and plans-of-study credit hours together for the total credit hour award. If a student presents his/her ITR having completed the group of basic academy courses and a partial plan-of-study, then use the tables previously distributed and add the correction academy specialized course credit hours (two decimal places) together to determine the total specialized course credit hour award. Then, add the total specialized course credit hours to the basic academy courses credit hours (in this case, two decimal places) and use the integer (whole number) of the sum in reporting the total credit hour award. Please call me at (304) 424-8272 or email me at paul.milhoan@mail.wvu.edu if you have any questions.

Best Regards,

Paul L. Milhoan, Ed.D
Director, Non-Traditional Programs
WVU-Parkersburg
300 Campus Drive
Parkersburg, WV 26104
## Individual Training Record

**Name:** «Last_Name», «First_Name»  
**Organization:** «Facility»  
**Class:** 197th Basic Corrections Class  
**Dates:**

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<th>Subject</th>
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<th>Hours</th>
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<td>Basic Communication Techniques</td>
<td>Sgt. Jason McGraw</td>
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<td>Classification Systems</td>
<td>Ms. Amy Elliott</td>
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</tr>
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<td>Communicable Diseases</td>
<td>Sgt. Jason McGraw</td>
<td>3.00</td>
</tr>
<tr>
<td>Contact/Cover</td>
<td>Sgt. Aharon Davis</td>
<td>3.00</td>
</tr>
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<td>Lt. R. Plumley</td>
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<td>Correctional Emergency Situations</td>
<td>Lt. Spencer Hill</td>
<td>4.50</td>
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<tr>
<td>Correctional Integrated Defensive System (CIDS)</td>
<td>Sgt. S. Collins, Sgt. J. McGraw, Sgt. A. Davis</td>
<td>34.00</td>
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<td>Cultural &amp; Generational Diversity</td>
<td>Ms. Amy Elliott</td>
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<td>Culture of Corrections</td>
<td>Ms. Amy Elliott</td>
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<td>Ethics</td>
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<td>Fire Safety and Emergency Procedures</td>
<td>Sgt. Aharon Davis</td>
<td>2.00</td>
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<td>Games Inmates Play</td>
<td>Sgt. Davis &amp; Sgt. McGraw</td>
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<td>IMIS – Getting Started &amp; Modules Overview</td>
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<td>Inmate-on-Inmate Sexual Assault and PREA</td>
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<td>Leadership</td>
<td>Col. Randy Perdue</td>
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<td>Legal Issues</td>
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<td>Offender Counts</td>
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# State of West Virginia
## Department of Military Affairs and Public Safety
### Division of Corrections

**West Virginia Corrections Academy**
Rt. 2, Box 304B
Ripley, WV 25271
Phone: (304) 372-7889  Fax: (304) 372-7887

<table>
<thead>
<tr>
<th>Name: «Last_Name», «First_Name»</th>
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<tr>
<td><strong>Organization</strong>: «Facility»</td>
<td><strong>Class</strong>: 197th Basic Corrections Class</td>
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<td><strong>Dates</strong>:</td>
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<th><strong>Subject</strong></th>
<th><strong>Instructor</strong></th>
<th><strong>Hours</strong></th>
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</thead>
<tbody>
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<td>Orientation/Exams/Student Details</td>
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<td>Staff Sexual Misconduct with Inmates</td>
<td>Mr. John Markley</td>
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<td>Suicidal Inmates</td>
<td>Mrs. Christy Flores</td>
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<td>Supervision and Discipline</td>
<td>Lt. Spencer Hill</td>
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<td>Team Building</td>
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| **Quiz I**: «Quiz_I» | | |
| **Quiz II**: «Quiz_II» | | |
| **Quiz III**: «Quiz_III» | | |
| **BCT Quiz**: «BCT» | | |
| **CIDS Quiz**: «CIDS» | | |
| **WRT Quiz**: «WRT» | | |
| **Phase I**: «Phase_I» | | |
| **Phase II**: «Phase_II» | | |
| **Phase III**: «Phase_III» | | |
| **Final GPA**: «GPA» | | |

**Colonel Randy Perdue**
Director of Training
West Virginia Corrections Academy
October 9, 2008

Mark W. Stotler, Ed.D.
Assistant Director of Academic Affairs
Higher Education Policy Commission
1018 Kanawha Blvd., E. Suite 700
Charleston, WV 25301-2827

Dear Dr. Stotler,

Through discussions with the WV Corrections Academy Deputy Director, Mr. John Markley, and the WV Corrections Academy Training Coordinator, Ms. Amy Elliott, an assessment of the corrections academy basic and specialized courses was completed. The courses were assigned a prefix of WVCA and numbered WVCA 101 through 138 for the basic level courses and WVCA 201 through 229 for the specialized courses. The courses were broken down in lecture hours and laboratory hours, and the TITLE 135 PROCEDURAL RULE - WEST VIRGINIA COUNCIL FOR COMMUNITY AND TECHNICAL COLLEGE EDUCATION - SERIES 3: “CONVERSION OF NON-CREDIT TRAINING ACTIVITIES TO COLLEGE-LEVEL CREDIT” was used to convert the WV Corrections Academy training hours into college-level credit. Using the 15:1 conversion ratio for lecture hours and the 30:1 conversion ratio for laboratory hours, calculations indicate that the group of basic corrections academy training courses totals 10 lower-division college-level credit hours, and the group of specialized corrections academy training courses totals 91 lower-division college-level credit hours.

Four WV Correctional Academy plans of study were identified as 1) Correctional Officer, Corrections Emergency Response Team (CERT) Officer or Marksman-Observer, 2) Crisis Negotiator (CNT) or Correctional Officer, Correctional Counselor, Case Manager, Unit Manager, 3) Controlled and Dangerous Substance (CDS) K-9 Handler, and 4) Patrol K-9 Handler. A group of courses was identified for each correctional academy plan of study, and each plan of study totals 29 lower-division college-level credit hours. Upon successful completion of the WV Corrections Academy basic training courses and a corrections academy plan of study, students will have a total of 39 lower-division college-level credit hours. The conversion tables for the WV Corrections Academy Basic Training Courses, the WV Corrections Academy Specialized Training Courses, and the WV Corrections Academy Plan of Study Options are attached to this document for your review and comments.

Best Regards,

Paul L. Milhoan, Ed.D
Director, Non-Traditional Programs
WVU-Parkersburg
300 Campus Drive
Parkersburg, WV 26104
# West Virginia Corrections Academy Course List and Plan of Study Options

## Basic Corrections Academy Training Courses

<table>
<thead>
<tr>
<th>Course Prefix</th>
<th>Course No.</th>
<th>Course Name</th>
<th>Course Hours</th>
<th>Lecture Hours</th>
<th>Lab Hours</th>
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Page 1 of 5
# West Virginia Corrections Academy Course List and Plan of Study Options

## Specialized Corrections Academy Training Courses

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**Total Hours for Corrections Academy Specialized Training**

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Option: Crisis Negotiator (CNT) or Correctional Officer, Correctional Counselor, Case Manager, Unit Manager
Option: Correctional Officer, Corrections Emergency Response Team (CERT) Officer or Marksman-Observer
Option: Controlled and Dangerous Substance (CDS) K-9 Handler
Option: Patrol K-9 Handler

Page 2 of 5
# Correctional Officer, Corrections Emergency Response Team (CERT) Officer or Marksman-Observer

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**Total Hours**: 516.00  373.50  142.50  29.65
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## Patrol K-9 Handler

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Date: 4/19/2006
To: Program Coordinators: Board of Governors, AAS & Regents Bachelors of Arts
Cc: 
From: Steven L. Brown, Marshall Community and Technical College
RE: West Virginia State Police Academy Basic Cadet College Credit Evaluation

The Child Development Associate (CDA) educational standards, curriculum, and testing standards has been reviewed by MCTC Early Childhood Education faculty member Sarah Dick and she recommends continuation of awarding 12 credit hours for students earning this certification (see attached email).
Brown, Steven L

From: Dick, Sarah
Sent: Monday, February 25, 2008 8:03 PM
To: Brown, Steven L
Cc: Perry, Carol A
Subject: RE: Child Development Associate Assessment

Steve,
I reviewed the current curriculum sheet for the OD degree, and do not plan to make any changes for the CDA or the OD degree anytime soon. Awarding 12 hours for the CDA certificate appears to be fine. Do you need me to fill out a specific assessment form for this? Just let me know.

Sarah

From: Brown, Steven L
Sent: Monday, February 25, 2008 11:41 AM
To: Dick, Sarah
Cc: Brown, Steven L; Perry, Carol A
Subject: Child Development Associate Assessment

Sarah:
I am attending a state wide meeting of RBA and BOG academic advisors and MCTC has been asked to bring an academic evaluation for the awarding of college credit for the Child Development Associate (CDA) certificate. Based on an old assessment we currently award 12 college credit hours that is used towards earning the AAS in OD: Child Development Option.
This meeting is scheduled for 4 April, is it possible to get your assessment no later than the week prior?
Steve

Steven L. Brown
Dean Continuing and Corporate Education
Marshall Community and Technical College
2000 7th Avenue, Cabell Hall Room 110
Huntington, WV 25703
office: (304) 696-3366
fax: (304) 696-3011
Appendix 36
MEMORANDUM

TO:       J. Michael Koon, BOG Coordinator
FROM:     Ralph Lucki, Allied Health Division Chair
DATE:     April 22, 2009
SUBJECT:  Award for Phlebotomy Technician Certification, PBT(ASCP)

The American Society of Clinical Pathology (ASCP) has established six possible routes that one can use to be eligible to sit for the Phlebotomy Technician (PBT) certification examination. (See attached information) The second route requires completion of an acceptable, two-part formal structured phlebotomy program consisting of 40 clock hours of classroom training and 100 clock hours of clinical training. Northern established an acceptable course under the Medical Laboratory Technology program and now continues the course under continuing education. The phlebotomy course is a six credit hour course. An individual could also sit for the exam using work experience that meets ASCP standards. It is logical to conclude that ASCP equates the prescribed work experience to the formal course. Therefore, I would recommend a standard award of 6 credit hours toward the BOG, AAS degree program for anyone who has a the PBT(ASCP) certificate. Since the course is offered by the community college, the credit should be lower division credit.

Please contact me if you need further assistance.
Phlebotomy Technician, PBT(ASCP)

Application Fee: $125

To be eligible for this examination category, an applicant must satisfy the requirements of at least one of the following routes:

**Route 1:** High school graduation (or equivalent) AND completion of a NAACLS approved phlebotomy program or a phlebotomy program approved by the California Department of Health Services* within the last five years; or

**Route 2:** High school graduation (or equivalent) AND completion of an acceptable two-part formal structured phlebotomy program in the U.S., Canada or a CAP/The Joint Commission (JCAHO)/AABB accredited laboratory within the last five years. This two-part program, to be arranged by the program director, must consist of: 40 clock hours of classroom training, including anatomy and physiology of the circulatory system, specimen collection, specimen processing and handling and laboratory operations (e.g. safety, quality control, etc.) AND 100 clock hours of clinical training and orientation in a CLIA regulated, accredited laboratory with a minimum performance of 100 successful unaided blood collections including venipunctures and skin punctures; or

**Route 3:** High school graduation (or equivalent) AND completion of one year full time acceptable work experience as a phlebotomy technician in a CLIA regulated, accredited laboratory within the last five years. This experience must include venipunctures and skin punctures. (Full time experience is considered thirty-five hours per week); or

**Route 4:** High school graduation (or equivalent) and successful completion of RN, LPN or other acceptable accredited allied health professional/occupational education which includes phlebotomy training and orientation in a CLIA regulated, accredited laboratory with a minimum performance of 100 successful unaided blood collections including venipunctures and skin punctures. Applicants must submit a notarized copy of their current state/provincial license for RN or LPN or notarized copy of a certificate of completion from the accredited allied health program they completed along with the application form; or

**Route 5:** MT(ASCP) or MLT(ASCP) certification; or

**Route 6:** DPT(ASCP) certification AND a minimum performance of 100 successful unaided blood collectors including venipunctures and skin punctures.

*A notarized copy of a Certificate of Completion from the CA approved program you completed must be submitted with your application form*
MEMORANDUM

TO: Program Coordinators: Board of Governors AAS and Regents Bachelors of Arts

FROM: Judith A. Whipkey, Program Director Board of Governors AAS - KVCTC

DATE: October 8, 2009

RE: Proposal for Standardized Award for Insurance Licensure

A proposal for standardized credits for insurance licensure was presented to the Dean and Faculty of the Business Studies Division at KVCTC on October 2, 2009. After review and discussion of the proposal, the Dean, Ms. Megan Lorenz, and faculty recommended the following credits be awarded for a current insurance license in the areas of Life, Property & Casualty, and Accident & Sickness:

- Life: 3 credits lower division Business Studies
- Property & Casualty: 3 credits lower division Business Studies
- Accident & Sickness: 1 credit lower division Business Studies

If you have any questions or concerns about the proposed standardized credits, please let me know.
Board of Governors AAS/RBA – Standardized Credit Proposal

Insurance Licensure Standardized Credit Proposal

West Virginia’s program requires prospective insurance agents and currently licensed agents adding any new power to their existing license to complete and pass a course of study which has been approved by the Board prior to sitting for the agent licensing examination. For the Licensure exam, the State of West Virginia has retained the services of Pearson VUE to develop and administer the examination program and to provide the necessary fingerprinting.

Requirements for becoming licensed in the State of West Virginia:

1. Complete all pre-licensing education – must complete educational program from an approved provider and obtain a certificate of pre-licensing course completion.
2. Reserve and pay for both the examination fee and fingerprinting fee – direct reservation with Pearson VUE for both.
3. Arrive at testing center - bring all required materials
4. Fingerprinting – all candidates must be digitally fingerprinted
5. Apply for license – after passing the exam apply for license through Office of the Insurance Commissioner of WV

Eligibility:

1. Be a resident of the state
2. Be eighteen years of age or older
3. Satisfy the Insurance Commissioner that he/she is trustworthy and competent
4. Take examinations administered by Pearson VUE, completing necessary pre-licensing course prior to testing.
Continuing Education:

Licensed Agents are required to complete 24 hours of approved continuing education in a two year reporting period. A minimum of 3 hours must be courses approved in Ethics.

Approved Pre-Licensing Education Programs:

Required number of course hours is as follows:

- Life only: 30 hours
- Accident and Sickness: 30 hours
- Life and A & S: 40 hours
- Property-Casualty: 40 hours

In reviewing programs, it appears that most candidates take the Life and Accident and Sickness education programs together. The State currently has 27 approved Pre-Licensing Education Providers.

Recommendation:

RBA or Board of Governors AAS candidates who present a current Insurance Licenses should be given the following credits:

- Life: 3 credits lower division Business Studies
- Accident and Sickness: 1 credit lower division Business Studies
- Property-Casualty: 3 credits lower division Business Studies
Dr. Stotler,

I have searched and searched for the email I thought I sent you. I apologize because I had every intention of sending that information when I first received it from Pamela Alderman.

Below is the information Dr. Alderman sent me. It appears that under Southern’s Salon Management Degree, this credit can be 27 credit hours. I have attached their degree requirements from their current catalog.

Again I apologize for the oversight. Let me know if you need further information on this.

Thanks,

Peggy Epling

---

Hi Peggy,

We give credit for all of the cosmetology courses in the program. Since they have a current license they show they have mastered the material taught in the curriculum. With the Board of Governor’s degree I do not know how this would be handled. It is easier for the student to get credit for the cosmetology courses then take the required support courses in order to obtain the Salon Management/Cosmetology Degree.

Hope this helps. It has been a long time since we have seen one another.

Take care,

Pam
Salon Management/Cosmetology

Associate in Applied Science
60 Credit Hours

Purpose
The Salon Management/Cosmetology Program provides the student with the knowledge and skills necessary for an entry-level career in the cosmetology field. This program exceeds the 2,000 clock hours required by the West Virginia Board of Examiners for Barbers and Cosmetologists (Board). Upon completion the student will be eligible to sit for the examination administered by the Board provided all eligibility requirements are met.

The full Salon Management/Cosmetology Program is available on the Logan Campus. The Boone/Lincoln, Williamson, and Wyoming/McDowell campuses offer the program support courses only.

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<th>Credit Hours</th>
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<td>SO 200</td>
<td>Introduction to Sociology</td>
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A trimester-by-trimester program course sequence is available at [http://www.southernwv.edu/programs/salon-management-cosmetology](http://www.southernwv.edu/programs/salon-management-cosmetology)

Department Chair: 304.236.7619
Administrative Secretary: 304.236.7609
State of West Virginia
Board of Barbers and Cosmetologists

ANNUAL RENEWAL CERTIFICATE

This certifies that the individual listed below is issued this certificate to practice the profession specified hereon, in the State of West Virginia during the calendar year of 2011. This certificate may be revoked as provided for in Chapter 30, Article 27, Code of West Virginia. This license must be framed and placed at your chair/work station at which you are working.

MANAGING COSMETOLOGIST LICENSE #:

1201 PLEASANT VIEW RD

2011

Adam L. Higginbotham, Director
From: Peggy Epling [mailto:pepling@newriver.edu]  
Sent: Tuesday, October 08, 2013 12:59 PM  
To: Mark Stotler 
Subject: POC email

Below is the email I discussed concerning the PoC certificate award of credit from Vernon Elkins, SWVCTC. I have also attached the supporting documents.

Thanks,

Peggy Epling  
New River CTC

From: Elkins, Vernon [mailto:Vernon.Elkins@southernwv.edu]  
Sent: Thursday, May 30, 2013 10:30 AM  
To: Peggy Epling  
Subject: RE: one last favor

Hi Peggy,

Anything that I put my name on will be done correctly and therefore, I have reviewed the documents thoroughly and would assign the following LEAP or Board of Governors credit based on the information you sent me. Also, I have not tried to assign credit in relation to Medical Laboratory Technology courses because very little or minute partial credit could be awarded. I have assigned credit for phlebotomy and medical/clinical laboratory assistant in relation to the courses we offer at Southern.

Based on my review, this would be the maximum credit that I would feel comfortable awarding.

Phlebotomy Principles – 3 credit hours  
Point of Care and Basic Medical Laboratory Procedures – 3 credit hours  
Phlebotomy Clinical Training – 2 credit hours

Please note, that if Kristin Honaker has extensive experience in the field of Medical Laboratory Technology, then to receive relative credit for her knowledge and clinical experience, she would have to provide extensive documentation as I discussed with you on the phone and this would probably need to be evaluated by WVU or Rosemarie Romesburg at Peirpont CC.

Vernon Elkins  
MLT Program Coordinator
Honaker, Kristin Anne

License Number 07359
License Issue Date December 01, 2010
License Expiration Date December 01, 2013
Category Point Of Care Technician
Information Updated September 27, 2013

PRIMARY SOURCE VERIFICATION: The Clinical Laboratory Practitioner Licensure website is considered primary source verification and is actually the preferred method of licensure validation instead of viewing the license card. The licensure information on the website is updated each business day at 3:00 pm. If a licensee presents a paper license card that shows different information than you find on this website verification system, immediately phone the Clinical Laboratory Licensure office at 304-558-3530 to verify the information.
WV Department of Health & Human Resources
OFFICE OF LABORATORY SERVICES

KRISTIN HONAKER

Qualifies as a CLINICAL LABORATORY PRACTITIONER
in the following category:
POINT OF CARE TECHNICIAN

As defined in West Virginia Health Legislative Rule 64-CSR-57 (1998).

Commissioner, Bureau for Public Health
12/1/2010 LICENSE #: 7359
Date Issued, Renewed Annually
### CATEGORY

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<tr>
<td><strong>CLP-CT</strong></td>
</tr>
<tr>
<td><strong>CLP-POCT</strong></td>
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#### DEFINITION

**CLP-MT** (Laboratory Technologist)

Performs a broad range of laboratory tests, tasks requiring broad exercise of judgment and responsibility with little or no direct technical supervision.

**CLP-MLT** (Laboratory Technician)

Job tasks include specimen processing, laboratory test performance, and reporting, which require limited exercise of independent judgment performed under the supervision of a clinical laboratory director or supervisor.

**CLP-CT** (Cytotechnologist)

Job tasks include specimen processing, laboratory test performance, and reporting of cytological exams supervised by a pathologist or other physician specialist in diagnostic cytology.

**CLP-POCT** (Point of Care Technician)

Job tasks include specimen processing, test performance, and reporting directly to a physician to review and evaluate results. Perform only "moderately complex" tests under CLIA supervision. Supervision available at all times when testing is performed.

#### LICENSURE REQUIREMENTS

**A. Certification as in subsection 2.1 of the rule:**

1. AMT, ASCP, NCA, ISCLT
2. Certified under Medicare/CLIA requirements in effect before March 1, 1990
3. Was doing laboratory technology or technician tasks in a clinical laboratory in WV July 7, 1989.

**B. B.S. in Med Tech and passed national exam of certifying agency OR**

1. Has 60 semester hours of academic credit including chemistry, biology, and a structured curriculum in med lab techniques, PLUS 1 year of pertinent full-time training or experience to provide skills.

**C. B.S. in chemical, physical, or biological science plus 1 full year experience or training to provide skills:**

1. B.S. in chemical, physical, or biological science plus 1 full year experience or training to provide skills.

**D. Statement from director that applicant is trained for skills required:**

#### SELF EVALUATION

Your Name

1. Based on your present job description and education/experience, which one of the four categories do you believe you would fit into?
   - Laboratory Technologist
   - Cytotechnologist
   - Point-of-Care Technician
   - Laboratory Technician

2. Give justification for your assessment.

(The final decision of your category will rest with the Licensure Program.)
Appendix 40
Credit for Federal Aviation Administration Airframe and/or Power Plant Mechanic Certificates

The following information and recommendations for credit for the Federal Aviation Administration Airframe and Power Plant Mechanic Certificates are based primarily on American Council on Education recommendations.

**General Description:** The Federal Aviation Administration issues mechanic certificates in accordance with Title 14, Code of Federal Regulations, Part 65, Subpart D, Mechanics. The mechanic certificate is divided into two ratings, airframe and power plant. Each rating grants the holder specific responsibilities and privileges identified in the rule. The mechanic can choose only to be airframe or power plant rated, or hold both the airframe and power plant rating. However, the majority of individuals test for both the airframe and power plant ratings because more employment opportunities are open to holders of both ratings. To become a certificated mechanic an individual must be eligible and successfully pass a series of written, oral, and practical tests. An airframe rated mechanic is restricted to work on all parts of an aircraft except the power plants and propellers. A power plant rated mechanic is restricted to work on only power plants and propellers.

To be eligible to sit for the examinations an individual must be a graduate of an FAA Approved Part 147 Aviation Maintenance Technician School (AMT), or demonstrate to the satisfaction of the FAA that he or she has 18 months practical experience working on airframes or power plants, or 30 months working concurrently on airframes and power plants.

Part 147 of title 14, CFR require the AMT School teach an approved curriculum for a minimum of 1900 hours. To sit for the A&P examination based on practical experience the applicant must show 4800 hours of aviation maintenance experience working on airframes and power plants. This practical experience can be earned either in the military or in industry.

The FAA's Airframe and Power Plant Examination is composed of three major parts: Written (or Knowledge), Oral, and Practical and covers 43 subject areas, from wood working to turbine engines to electrical systems. The written (knowledge) examination is further divided into Airframe, Power Plant, and General. For example if an individual wanted to sit for the A&P examination he or she would have to take three (3) computer-based, multiple-choice tests, administered by an authorized FAA testing center.

To sit for either the airframe or power plant examination the individual would be required to successfully complete the General Examination in addition to the applicable Airframe Examination or Power Plant Examination.

After successfully completing the written examination, the individual would take both the oral and practical parts of the examination from a FAA Designated Mechanic Examiner, or FAA Aviation Safety Inspector (Airworthiness).

An individual with the Airframe and Powerplant Mechanic certificate is eligible for a credit award of 67 lower division credit hours. These credits are aviation electives.

More detailed information on the individual ratings (airframe and power plant) is shown below. Please note that while the General Examination is not a FAA certificate or rating, the recommended credit should be applied ONCE to either the airframe rating or the power plant rating, but not to both.
General Examination

Skills Measured: Basic electricity, aircraft drawings, weight and balance, fluid lines and fittings, materials and processes, ground operation and servicing, cleaning and corrosion control, maintenance forms and records, basic physics, maintenance publications, and mechanic privileges and limitations.

Credit Recommendation: A total of 14 lower division credit hours in aviation subject areas including 2 semester hours in basic electricity; 1 semester hour in aircraft drawings; 1 semester hour in weight and balance; 1 semester hour in fluid and fittings; 2 semester hours in materials and processes; 1 semester hour in ground operations; 1 semester hour in cleaning and corrosion; 2 semester hours in mathematics; 1 semester hour in maintenance forms and records; 1 semester hour in basic physics; 1 semester hour in mechanic privileges and limitations. NOTE: Power Plant and/or Airframe Mechanic Certificate must also be successfully completed for credit recommendation.

Airframe Mechanic Certificate

Note: Requires completion of the General Examination for issuance.

Skills Measured: Wood structures, aircraft covering, aircraft finishes, sheet metal structures, welding, assembly and rigging, airframe inspection, aircraft landing gear systems, hydraulic and pneumatic power system, cabin atmosphere control systems, aircraft instrument systems, communications and navigation systems, and aircraft fuel systems.

Credit Recommendation: A total of 28 lower division credit hours in aviation subject areas including 1 semester hour in wood structures, 1 semester hour in aircraft covering, 1 semester hour in aircraft finishes, 3 semester hours in sheet metal and non-Metallic structures, 3 semester hours in welding, 2 semester hours in assembly and rigging, 3 semester hours in aircraft inspection, 2 semester hours in aircraft landing gear systems, 1 semester hour in hydraulic and pneumatic power systems, 2 semester hours in cabin atmosphere control systems, 2 semester hours in aircraft instrument systems, 1 semester hour in communication and navigation systems, 2 semester hours in aircraft fuel systems, 2 semester hours in position and warning systems, 1 semester hour in ice and rain control systems, 1 semester hour in fire protection.

Power Plant Rating

Note: Requires completion of the General Examination for issuance.

Skills Measured: Reciprocating engines, turbine engines, engine inspection, engine instrument systems, engine fire protection systems, engine electrical systems, lubrication systems, ignition systems, fuel metering systems, engine fuel systems, induction systems, engine cooling systems, engine exhaust systems, and propellers.

Credit Recommendation: A total of 25 lower division credit hours in aviation subject areas including 3 semester hours in reciprocating engines; 3 semester hours in turbine engines; 1 semester hour in engine inspection; 1 semester hour in engine instrumentation systems; 1 semester hour in engine fire protection systems; 2 semester hours in engine electrical systems; 1 semester hour in lubrication
systems; 2 semester hours in ignition and starting systems; 1 semester hour in fuel metering systems; 1 semester hour in engine fuel systems; 2 semester hours in induction and engine airflow systems; 1 semester hour in engine cooling systems; 2 semester hours in engine exhaust and reverser systems; 2 semester hours in propellers; 1 semester hour in unducted fans; 1 semester hour in auxiliary power units. NOTE: The General Examination must also be successfully completed for credit recommendation.

Verification: To check FAA records to verify the authenticity of an individual’s FAA Mechanic Certificate go to https://amsrvs.registry.faa.gov/airmeninquiry/
This email should be added to Appendix 40 of the RBA and BOG guidelines.

Mark

From: Regents Bachelor of Arts Degree Program Coordinators [mailto:HEPC-RBA@LISTSERV.WVNET.EDU] On Behalf Of Frank Robbins
Sent: Tuesday, February 09, 2016 3:33 PM
To: HEPC-RBA@LISTSERV.WVNET.EDU
Subject: Airframe and Powerplant Standard Awards - I hate it when this happens

My apologies to all. Pamela Stephens pointed out that there is a discrepancy in the RBA Handbook recommendation for FAA Airframe and Powerplant credit recommendations and the attachment explaining the recommendations. The recommendation in the RBA Handbook is as follows:

Federal Aviation Administration Mechanic with both Airframe and Powerplant ratings: 67 lower division credit hours.  
Federal Aviation Administration Mechanic with only Airframe rating: 32 lower division credit hours.  
Federal Aviation Administration Mechanic with only Powerplant rating: 29 lower division credit hours.

The 67 hour award is correct. However the 32 and 29 hour recommendation should be 42 and 39 hours. The correct recommendation is:

Federal Aviation Administration Mechanic with both Airframe and Powerplant ratings: 67 lower division credit hours.  
Federal Aviation Administration Mechanic with only Airframe rating: 42 lower division credit hours.  
Federal Aviation Administration Mechanic with only Powerplant rating: 39 lower division credit hours.

Sorry to burden you with my poor proofreading skills.

Frank David Robbins  
Aviation, Early Enrollment and RBA Coordinator  
West Virginia University Institute of Technology  
COBE 319  
405 Fayette Pike  
Montgomery, WV 25136  
304-442-3005 Office  
304-442-3810 Fax  
304-673-8268 Mobile

From: Regents Bachelor of Arts Degree Program Coordinators [mailto:HEPC-RBA@LISTSERV.WVNET.EDU] On Behalf Of Mark Stotler
Sent: Tuesday, February 09, 2016 9:51 AM
To: HEPC-RBA@LISTSERV.WVNET.EDU
Subject: Airframe and Powerplant Standard Awards
I was remiss in forwarding this e-mail from Frank regarding standardized awards for Airframe and Powerplant ratings. You may recall that in 2014 we terminated our award and recommended using ACE for guidance. Frank has attempted to provide some clarification. The attached documents are included in the revised guidelines (appendix 40) found on the website.

Mark

Mark W. Stotler, Ed.D.
Director of Academic Programming
West Virginia Higher Education Policy Commission/
    Council for Community and Technical College Education
1018 Kanawha Blvd., E. Suite 700
Charleston, WV 25301
(304) 558-0262 Phone  (304) 558-0089 Fax
E-mail: mark.stotler@wvhepc.edu
www.wvhepc.edu

From: Frank Robbins [mailto:Frank.Robbins@mail.wvu.edu]
Sent: Thursday, December 10, 2015 4:29 PM
To: Mark Stotler
Subject: Airframe and Powerplant Standard Awards

Dr. Stotler,

Attached is a description, revised based on comments from our last meeting, to replace the current content of Appendix 40 in the RBA Handbook.

For the table page 20 in the RBA handbook my recommendation is as follows:

Federal Aviation Administration Mechanic with both Airframe and Powerplant ratings: 67 lower division credit hours.
Federal Aviation Administration Mechanic with only Airframe rating: 32 lower division credit hours.
Federal Aviation Administration Mechanic with only Powerplant rating: 29 lower division credit hours.

Please contact me if you have any questions.

Frank David Robbins
Aviation, Early Enrollment and RBA Coordinator
West Virginia University Institute of Technology
COBE 319
405 Fayette Pike
Montgomery, WV 25136
304-442-3005 Office
304-442-3810 Fax
304-673-8268 Mobile
Appendix 41
**Childcare Certificate (PRIDE) for RBA Analysis**

**Childcare Certificate – Foster/Adoptive Care**

(Children’s Services) Agency Introduction 3 Hours

(Concord University) Preservice Curriculum 27 Hours

(Children’s Services) Family Development Plan (FDP)

**Opportunity to Improve**

- Retake classes
- Use of distance resources
- Directed activities

Plan in Place

**Level One Certificate – Equivalent to Three (3) Semester Hours**

(Children’s Services) FDP Progression 3 Hours

(Concord University) Inservice Curriculum 27 Hours

(Children’s Services) FDP Reassessed

**Opportunities to Improve**

- Retake classes
- Use of distance resources
- Directed activities

**Plan in Place** (Built upon assessed strengths)

**Level Two Certificate – Equivalent to Three (3) Semester Hours**

Appendix 43
Radiologic Technology Education Programs
Radiography, Radiation Therapy, Nuclear Medicine, Ultrasound, & MRI

Date: March 22, 2017

To: Barbara Griffin
RBA Program Manager
West Virginia University

From: Charles "Brad" Holben MSHA, R.T.(R)(MR)
MRI Education Program Director
WVU Medicine

RE: Credit Award Equivalents / Considerations for Primary Pathway MRI Programs

Thank you for giving me opportunity to comment on the certifications in Magnetic Resonance Imaging, with respect to credit equivalence and current / proposed changes in our profession. I offer the following for your consideration in regards to the Primary Pathway in Magnetic Resonance Imaging:

**Primary Pathway Certification in Magnetic Resonance Imaging (MRI) - ARRT**

With the exponential growth and technological advancements in the field of Magnetic Resonance Imaging over the past several years, the need for formal didactic and clinical education in this discipline has become evident. Within the past 10 years, a few programs (including WVU Medicine’s) have been developed and have achieved initial accreditation through the Joint Review Committee on Education in Radiology Technology (JRCERT). In response, the ARRT has implemented a “primary pathway” exam in MRI. As with the other primary certifications, eligible candidates must successfully complete a Magnetic Resonance Imaging educational program that is accredited by either a USDE or CHEA recognized accreditation agency. The programs are at least 1-year in length and are based on a formal didactic and clinical curriculum published by the American Society of Radiologic Technologists (ASRT). A recommendation would be to award credit for the “primary pathway” Magnetic Resonance Imaging certification equivalent to that awarded for the primary certifications such as Radiation Therapy & Nuclear Medicine (30 Upper and 5 Lower division credits).

**Post-Primary Exam requirements - ARRT**

Post Primary certifications are designed to validate a technologist’s advanced clinical and cognitive knowledge in a particular specialty above and beyond his or her primary certification. Historically, eligibility was obtained through clinical experience, the completion of a specific number of clinical exams and self-directed study. Beginning January 1, 2016, candidates for post-primary certification are required to complete 16 hours of structured education related to the content specifications for that exam. The education must meet the same standards as CE activities in that it must be either RCEEM-approved or university-awarded. This requirement is applicable to the following ARRT post-primary certifications in Mammography, Computed Tomography (CT), Magnetic Resonance Imaging (MRI), Quality Management (QM), Bone Densitometry, Cardiac-Interventional Radiography (CI), Vascular-Interventional Radiography (VI), Sonography, Vascular Sonography, or Breast Sonography. Due to the provision for allowing approved Continuing Education credits in the discipline to meet this new
standard, I believe that the inclusion of the structured education component merely validates the current credit awards for these post-primary certifications and does not necessarily lend support for an increase (or decrease) in credit equivalence.

**Supporting Links**

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<th>Organization</th>
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Appendix 44
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| 10/06/2017 | 6            | HPN 1105 - Technical College and Credential        | Practice Workflow & Information Management
| 10/06/2017 | 6            | HPN 1105 - Technical College and Credential        | Practice Workflow & Information Management

Certified Healthcare Technology Specialist

American Health Information Association

October 6, 2017

Amy Cunningham, Associate Professor, HLT Program Coordinator

Perryton Community and Technical College

Health Information Technology

Board of Governors Associate of Applied Science Degree Program

Credit Award for Credentials
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