



ASPRS Certification Program

**URISA-New England Chapter
Annual Conference**

Matthew Barrett

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Topics

- Brief Overview of ASPRS Certification
- Brief History of the Certification Program
- The ASPRS Certification Process
- Preparation for Certification
- Re-Certification
- Future Programs

ASPRS Committee Organization

- 20 Standing Committees
 - Represents Every Aspect of the Geospatial Sciences and the ‘Practice’ Issues
- ‘Evaluation For Certification Committee’
Established in 1975
- History of Certification (~700 active)
 - 1502 as Photogrammetrist
 - 190 as Mapping Scientist in Remote Sensing
 - 241 as Mapping Scientist in GIS/LIS

Background of Certification

- Voluntary Program Open to Members and Non-Members
- Originally Established in 1975 for ‘Certified Photogrammetrist’ and Expanded for MS-RS and MS-GIS/LIS in 1991
- Added the Certified Technologist Program in October, 2003 for 3 Specialist’s Areas
- ASPRS Manages Certification Nationally and Internationally
- Provisional Certification in-place since 2007

Certification Program Structure

- **Peer Review Process (1st Step)**
 - Evaluation of Professional Experience, Training, Activities, and 4 References
 - Reviewed by Evaluation Sub-Committees
 - 2 Review Committees (Photogrammetry & Certified Mapping Scientist)
 - Points Awarded Based on the Application
- **Examination Process (2nd Step)**
 - In-Place Since January 1999
 - Customized By Specialty Area
 - Knowledge of All 3 Technical Areas is Required
 - Photogrammetry, Remote Sensing, GIS/LIS, **plus**, Standards, Ethics, and Practice Issues

Certification Designations

- Certified Photogrammetrist (ASPRS)
- Certified Mapping Scientist, Remote Sensing (ASPRS)
- Certified Mapping Scientist, GIS/LIS (ASPRS)

- Certified Photogrammetric Technologist (ASPRS)
- Certified Remote Sensing Technologist (ASPRS)
- Certified GIS/LIS Technologist (ASPRS)

Experience Requirements

Certification Type	Minimum Total Experience	Professional Experience
CP	6 Years	3 Years
MS-RS	6	3
MS-GIS/LIS	6	3
		Specialty Experience
P-T	3	2
RS-T	3	2
GIS/LIS-T	3	2

Plus.....

General Certification Requirements

- Completed Application with Fee
- 4 References with Knowledge About Your Work and Experience
- Compliance with the ASPRS Code of Ethics
- Peer-Review by Sub-Committee
- Successful Completion of a Written Examination

Examination Requirement

- Final Step in Certification
- Designed to Assure a Minimum Level of Technical and Professional Knowledge
- Covers a Variety of Focus Areas with Emphasis on the Specific Certification
- Format for Professional Certification Exams

100 Questions, Multiple-Choice, Pass/Fail

May Have – Hand-held Calculator & One Bound Reference

May Not Have – Laptop, Cell Phone, PDA

4 Hour Time Allotment – Proctored Environment

Question Matrix

Focus Area	Photogrammetrist	Mapping Scientist GIS/LIS	Mapping Scientist Remote Sensing
Math/Science	13-15%	14-16%	14-16%
Engineering/Surveying	6-7%	5-6%	5-6%
Physics	9-11%	7-9%	9-10%
Imaging	12-15%	18-20%	25-28%
Photogrammetry	25-27%	10-13%	10-14%
GIS	12-15%	21-23%	12-15%
Ethics/General	15%	15%	15%

Table Extracted From the ASPRS Web Page

ASPRS Technologist Program

- Newer Program Designed for Entry-level and Technician Positions
 - Perhaps a Stepping Stone to ‘Professional’
 - Recognition for Career Technical Positions
- Similar to the Professional Certification, but Emphasizing Technical Tasks and Minimal Project Management Responsibility
- Implemented in October 2003
- Similar Track Requiring Peer Review and An Examination
 - Application and Processing Fee Required
 - Examination of 50 Questions with 2 Hour Time Limit

Preparation For Certification

- ASPRS Workshop “Preparing for ASPRS Certification”
 - Offered at Spring and Fall ASPRS Conferences
 - Can be Offered at Regional ASPRS Meetings
 - Webinars every 3 months
- Maximizing the ASPRS Web Site Resource
 - On-line Fillable Forms, Instructions, References Forms, Information
- Applicants Advised To Seek Support from Associates
 - Mentoring is Encouraged

Re-Certification Program

- ‘Active’ Status Requires Re-Certification
 - Every 5 Years for Certified Professional
 - Every 3 Years for Certified Technologist
- Submit Completed Application with Fee
- 4 References
- No Written Examination Required
- Sub-Committee Evaluation
 - Document Experience and Activity During the **Previous 5 (or 3) Years**
 - Must Satisfy Minimum Requirements

Re-Certification Criteria

- **Up to 20 Points**
 - Active in area being re-certified, or in academic arena involved directly with the subject matter
- **Up to 8 Points**
 - Participation in panels, presented or published papers
- **Up to 8 Points**
 - Attended/taken workshops or classes in related subjects
- **Up to 4 Points**
 - Attended technical conferences

Certification Status

- **Active**
 - Currently Certified or Re-certified
 - Fully Certified Status
- **Inactive**
 - Certified, but not Re-certified, and Practicing
 - Cannot Use ‘Certified’ Title
- **Retired**
 - Certified, Not Re-Certified, and No Longer Practicing in the Field
 - Cannot Use ‘Certified’ Title

On-Going Certification Activity

- Certification ‘Marketing’ Effort
- Maintain the ASPRS Web Site
 - New Information Twice a Year
 - New Forms and Information
- New Editions of the Exam
 - New Question Bank with New Technology Questions
 - Maintain Exams for Each Specialty
 - In-Place since Jan. 2005

On-Going Activity

- Continuing Marketing / Outreach Program
- Interaction with State Licensure and NCEES Model Law Implementation
 - Partnering with the Colonial States Board for Licensure of Land Surveyors to Develop a New Exam for Licensing Photogrammetrists
 - Exam Ready for the States in Spring 2007
 - NCEES Houses the Exam Items and Provide Administration
- Update the ASPRS List of Certified Individuals
 - On the Web Site since the end of 2005

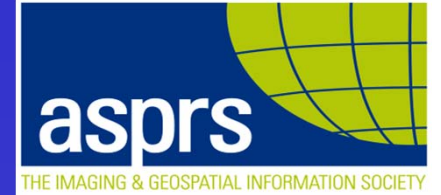
Accreditation

- ASPRS Membership in CESB
 - ‘Council of Engineering and Scientific Specialty Boards’
 - Membership as a Board Member in January 2011
- Full Accreditation for all Certifications
 - Application Process underway (March 2011)
 - Minor program adjustments to meet CESB Guidelines
 - Accreditation in place in late-summer 2011
 - The **Only** Accredited Geospatial Certification
- All previous certifications accredited
 - All new certificates will have both the ASPRS and CESB logos

Provisional Certification

- Available to all graduating Students (within 1 year of graduation)
- Same Requirements- different timeline
 - Application, Partial Fee, 1 Reference, Pass Peer-review, and Pass the Exam
 - Achieve Experience Requirement
 - 10 years for Professional Certification / 5 years for Technologist Certification
 - Submit Experience Application, Complete Fee, and 3 references & Pass Peer-review
 - Become fully certified

Information



- Mike Renslow
 - Chair, Evaluation for Certification Committee
 - renslow76@comcast.net
 - 541-335-1251
- ASPRS
 - [www.asprs.org / certification](http://www.asprs.org/certification)