

# GIS Certification Options

### Terminology

**Certification:** Demonstrates a level of expertise in the profession.

**Certificate:** Recognizing completion of an academic or training program.

**License:** License to practice a profession.

**Accreditation:** Academic qualifications or standards.

### GIS Certification Institute (GISCI)

GIS Professional GISPI certification

- Point-based and self-documented
- Based on achievement in three categories:
  - Educational attainment
  - Professional experience
  - Contributions to the profession

5000+ GISPs as of 4/1/2012

### ASPRS Certification Options

- Certified Photogrammetrist
- Certified Mapping Scientist, GIS/US
- Certified Mapping Scientist, Technologist
- Certified Photogrammetric Technologist
- Certified Remote Sensing Technologist
- Certified GIS/US Technologist

700+ active

### ESRI Technical Certification

- ESRI Technical Certifications name recognize expertise in three domains ArcGIS software:
  - Desktop, Developer, Enterprise
- Each certification is offered at two levels:
  - Associate and Professional

### Conclusion

- GISP Certification
- ASPRS Certification
- ESRI Certification

Complimentary certification options



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**ASPRS Certification Options**  
• Certified Photogrammetrist  
• Certified Mapping Scientist, Remote Sensing  
• Certified Mapping Scientist, GIS/LIS  
• Certified Photogrammetrist, Technologist  
• Certified Remote Sensing Technologist  
• Certified GIS/LIS Technologist  
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# GIS Certification Institute (GISCI)

## GIS Professional (GISP) certification

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- Based on achievement in three categories:
  - **Educational** attainment
  - Professional **experience**
  - **Contributions** to the profession
- 5000+ GISPs as of 4/1/2012



### Minimum Benchmark

**EDUCATION** – Bachelor's degree with some GIS courses (or equivalent)

**EXPERIENCE** – Four years in GIS application or data development (or equivalent)

**CONTRIBUTIONS** – Annual membership and modest participation in a GIS professional association (or equivalent)

### Minimum Category Points

Educational Achievement	30 points
Professional Experience	60 points
Contributions to the Profession	8 points
Additional (Flex) Points in any of the three Categories:	52 points
<b>Total</b>	<b>150 points</b>

### Additional Requirements

- Code of Ethics & Rules of Conduct
- Renewal of Certification
- Every **five** years
- Minimum points in two categories

Educational Achievement	10 points
Professional Experience (Minimum)	50 points
Contributions to the Profession	10 points
Flex Points	20 points
<b>Total</b>	<b>40 points</b>

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<b>Total =</b>	<b>150 points</b>

# Additional Requirements

- Code of Ethics & Rules of Conduct
- Renewal of Certification
  - Every **five** years
  - Minimum points in two categories

Educational Achievement	10 points
Professional Experience (No minimum)	0 points
Contributions to the Profession	10 points
Flex Points	20 points
<b>Total =</b>	<b>40 points</b>

# ASPRS Certification Options

- Certified Photogrammetrist
- Certified Mapping Scientist, Remote Sensing
- **Certified Mapping Scientist, GIS/LIS**
- Certified Photogrammetric Technologist
- Certified Remote Sensing Technologist
- **Certified GIS/LIS Technologist**



~ 700 active

## Certification Program Structure

- Peer Review Process (1st Step)**
- Evaluation of Professional Experience, Training, Activities, and 4 References
  - Points Awarded Based on the Application

- Examination Process (2nd Step)**
- Written exam
  - Customized By Specialty Area

## Exam Questions

Specialty	Professional	Registered	Applied
Photogrammetry	22.4%	44.1%	33.5%
Remote Sensing	3.7%	2.4%	3.8%
GIS	3.8%	7.1%	7.8%
Mapping	12.1%	19.1%	18.5%
Professional	38.1%	12.8%	28.2%
GIS	17.1%	15.4%	15.2%
Total/Overall	18%	27%	27%

## Re-Certification Requirements

- 'Active' Status Requires Re-Certification
- Every 5 Years for Certified Professional
  - Every 3 Years for Certified Technologist

- Document Experience/Activity
- **No Written Examination Required**

# Certification Program Structure

## Peer Review Process (1st Step)

- Evaluation of Professional Experience, Training, Activities, and 4 References
- Points Awarded Based on the Application

## Examination Process (2nd Step)

- Written exam
- Customized By Specialty Area

# Exam Questions

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%

# Re-Certification Requirements

'Active' Status Requires Re-Certification

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  - Every 3 Years for Certified Technologist
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- Document Experience/Activity
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# ESRI Technical Certification

- Esri Technical Certification exams recognize expertise in three domains (ArcGIS software):
  - **Desktop, Developer, Enterprise**
- Each certification is offered at two levels:
  - **Associate and Professional**

## Taking an ESRI Exam

- Exams are offered at over 5,000 locations around the world through Pearson VUE
- Register online
- \$225 USD per exam

## Preparing for an Exam

- On the job skills are the best preparation
- Review Candidate Qualifications and Skills Measured
- Take a course to brush-up skills

## ESRI Certification Options



Category	Level	Exam Name
Desktop	Associate	ESRI Desktop Associate
	Professional	ESRI Desktop Professional
Developer	Associate	ESRI Developer Associate
	Professional	ESRI Developer Professional
Enterprise	Associate	ESRI Enterprise Associate
	Professional	ESRI Enterprise Professional

# ESRI Certification Options

Esri Technical Certification Program	
Desktop	<b>ArcGIS Desktop</b> Associate   Professional
	<b>ArcGIS Desktop Developer</b> Associate   Professional*
Developer	<b>Web Application Developer</b> Associate   Professional*
	<b>Mobile Developer</b> Associate*   Professional*
	<b>Enterprise Geodatabase Management</b> Associate   Professional
Enterprise	<b>Enterprise System Design</b> Associate   Professional*
	<b>Enterprise Administration</b> Associate

\* Available later in 2012

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You can be a certified geek too!

