Global association ISACA was founded in 1969 to help professionals navigate the new career of electronic data processing auditing. Fifty years later, it is releasing research on how auditors and their organizations need to prepare for major technological impacts in the next five years. To learn more, visit www.isaca.org/futureofITauditstudy.

**THE FUTURE OF IT AUDIT**

IT Auditors Will Be Increasingly Involved in Major Tech Projects

- 35% of auditors are brought in during the planning phase of major tech projects.
- 44% say they have a significant impact on tech projects in their organizations.
- 47% say IT auditors will be significantly more involved in major tech projects in next 3-5 years.

IT Auditors With Technical Skills Will Be in High Demand

- 67% have difficulty recruiting auditors with the required technical skills.
- 64% of auditors say the technical skills gap has at least a moderate impact on performing IT audits with a high degree of confidence.

Top Technologies IT Auditors Want to Learn

<table>
<thead>
<tr>
<th>Technology</th>
<th>Required (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Predictive Analytics</td>
<td>53%</td>
</tr>
<tr>
<td>Artificial Intelligence</td>
<td>51%</td>
</tr>
<tr>
<td>Blockchain</td>
<td>45%</td>
</tr>
<tr>
<td>Machine Learning</td>
<td>45%</td>
</tr>
<tr>
<td>Robotic Process Automation</td>
<td>45%</td>
</tr>
</tbody>
</table>

**Trends Impacting IT Auditors**

**CURRENT**

- STRONGER demand for technical skills (64%)
- INCREASED expectation of skills and knowledge across broader subject areas (e.g., becoming more of a generalist than a specialist) (46%)

**NEXT 1-2 YEARS**

- Auditing becoming INCREASINGLY automated (30%)
- INCREASED need for data scientists on the IT audit team (28%)
- Services MERGING (e.g., cybersecurity monitoring with ongoing assurance and assessment) (28%)

**NEXT 3-5 YEARS**

- INCREASED reliance on artificial intelligence (AI)-assisted monitoring and analytics (33%)
- FULL INTEGRATION of IT audit into other business areas (24%)

**IT Auditors Are Optimistic About the Future**

- 92% are optimistic when considering how technology will impact them professionally over the next five years.
- 77% say their IT audit team has the technical skills and training to keep up with the technology changes affecting them.

Source: ISACA’s Future of IT Audit Research Brief, www.isaca.org/futureofITauditstudy