

Discipline annotation

Документ подписан простой электронной подписью

Информация о владельце:

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Уникальный программный ключ:

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Discipline name

Аудит информационных технологий и систем обеспечения информационной безопасности / Audit of information technologies and information security systems

Summary

Essential concepts and definitions of the studied discipline. Basic concepts and definitions of the studied discipline. Fundamentals of a systematic and process approach to assessing the information security of an organization. Fundamentals of monitoring and auditing information security of organizations and systems. Methods and tools for analyzing the risks of an organization when conducting an information security audit. Basic information security standards. Software tools for information security auditing. Methods for conducting an audit of information security of organizations of various forms of ownership. General methodology for auditing organizations. Methodology for auditing municipal government bodies and organizations of the banking system of the Russian Federation. Business continuity and information security management

Learning outcomes of the discipline

- analyzes the guidelines and methodological documents of the authorized federal executive authorities for information protection;
- applies tools to control the security of information in automated systems;
- conducts an examination of the security state of information of automated systems;
- evaluates the security of information against unauthorized access and special effects;
- draws up reporting materials based on the results of monitoring the security of information against unauthorized access and special effects (protocol for monitoring the security of information against unauthorized access and special effects)

Workload, c. u.

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Reporting Forms

Graded - 5th semester

List of essential and supplementary literature necessary for mastering the discipline

Essential literature

1. Shangin, V. F. Information security and protection of information / V. F. Shangin: textbook / Electronic source. - Information security and information protection, 2019-04-19: Vocational education; Saratov, 2018. – 702 p.

Supplementary literature

1. Monitoring and audit of information security: study guide: specialty 090103 - Organization and technology of information security / ed. by D. V. Yakushev; RF Ministry of Education and Science, SSU. - Stavropol: SSU Publishing House, 2011. - 134 p. - Bibliography: p. 130-131
2. Averchenkov, V. I. Audit of information security: Textbook for universities / Averchenkov V. I. - Bryansk: Bryansk State Technical University, 2012. - 268 p.
3. Information security audit / A. P. Kurilo, S. L. Zefirov, V. B. Golovanov [and others]; ed. by A. P. Kurilo. - Moscow: BDTs-Press, 2005. - 303 p.
4. Vasin S. M. Risk management at the enterprise: textbook for universities / S. M. Vasin, B. C. Shutov. – M.: KNORUS, 2010. – 299 p.
5. Suglobov, A. E. Economic security of the enterprise: study guide / S. A. Khmelev, E. A. Orlova, A. E. Suglobov. – M. : UNITI-DANA, 2015. – 272 p.

