

Guideline for Practical Training Positions by Major

The key for CPT authorization is to ensure that the job descriptions and duties are directly relevant to the student's academic program, provide opportunities for practical application of their coursework, and contribute to their overall learning objectives. It's essential to tailor the job descriptions to the student's degree program and the student's career aspirations.

Different jobs may be approved based on each students' specializations within their Major.

Please note that CPT is not allowed under a 1099 contract, nor can students start their own business. Students on OPT are allowed to start their own business or work under a 1099 contract.

This is a general guideline. This document does NOT have all the possible positions/descriptions and depending on the students' specialization, some of these jobs may be denied.

For example, MBA students in the Analytic track can work as Business Analysts, but those who are not in the Analytics track may be denied for the same position.

All CPT applications are reviewed based on the job description, not the job title.

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MBA

MBA students often pursue a variety of job roles including supervisory, management, or CEO positions across different industries and functions. The MBA job descriptions and duties can vary widely based on their specialization, interests, and career goals. Here are some common job descriptions and duties for MBA students:

1. Consultant

- **Job Description:** Consultants provide expert advice to organizations to help them improve their business operations, solve complex problems, and implement effective strategies.
- **Duties:**
 - Conducting thorough research and analysis to understand client issues.
 - Developing strategic recommendations based on data and insights.
 - Presenting findings and solutions to clients.
 - Implementing recommended changes and tracking outcomes.
 - Collaborating with client teams to ensure successful project execution.

2. Financial Analyst

- **Job Description:** Financial analysts evaluate financial data, develop investment strategies, and provide insights to support financial planning and decision-making.
- **Duties:**
 - Analyzing financial statements and market trends.
 - Preparing detailed reports on financial performance.
 - Conducting financial modeling and forecasting.
 - Assessing investment opportunities and risks.
 - Assisting in the preparation of budgets and financial plans.

3. Marketing Manager

- **Job Description:** Marketing managers develop and execute marketing strategies to promote products or services and achieve business objectives.
- **Duties:**
 - Conducting market research to identify target audiences and market trends.
 - Developing marketing plans and campaigns.
 - Managing advertising, promotions, and social media activities.
 - Analyzing campaign performance and adjusting strategies as needed.
 - Collaborating with sales teams and product development to align marketing efforts.

4. Product Manager

- **Job Description:** Product managers oversee the development and lifecycle of a product, from concept to launch, ensuring it meets customer needs and business goals.
- **Duties:**
 - Defining product vision and strategy based on market research and customer feedback.
 - Collaborating with cross-functional teams (e.g., engineering, design, marketing).
 - Managing product development timelines and budgets.
 - Gathering and prioritizing product requirements and features.
 - Launching new products and evaluating their market performance.

5. Operations Manager

- **Job Description:** Operations managers are responsible for ensuring efficient business operations, improving productivity, and managing the day-to-day activities of the organization.
- **Duties:**
 - Streamlining processes to enhance efficiency and reduce costs.
 - Overseeing supply chain and inventory management.
 - Implementing operational strategies and performance metrics.
 - Managing staff and coordinating with other departments.
 - Ensuring compliance with industry regulations and standards.

6. Business Development Manager

- **Job Description:** Business development managers identify and pursue new business opportunities to drive growth and revenue for the organization.
- **Duties:**
 - Identifying potential markets, clients, and partnership opportunities.
 - Developing strategies to expand the company's market presence.
 - Building and maintaining relationships with key stakeholders.
 - Negotiating contracts and closing deals.
 - Conducting competitive analysis and market research.

7. Human Resources Manager

- **Job Description:** Human resources managers oversee the recruitment, development, and management of employees to support the organization's goals and culture.
- **Duties:**
 - Managing the recruitment and selection process.
 - Developing employee training and development programs.
 - Administering compensation, benefits, and performance management systems.
 - Ensuring compliance with labor laws and company policies.
 - Facilitating conflict resolution and promoting a positive work environment.

8. Entrepreneur / Startup Founder

- **Job Description:** Entrepreneurs and startup founders develop and launch new business ventures, taking on the risk and responsibility of driving their business to success.
- **Duties:**
 - Identifying business opportunities and developing a viable business plan.
 - Securing funding and managing financial resources.
 - Building and leading a team to execute the business vision.
 - Creating and implementing marketing and sales strategies.
 - Managing operations and scaling the business.

9. Data Analyst / Business Analyst

- **Job Description:** Data analysts and business analysts use data to help organizations make informed decisions, optimize operations, and improve business outcomes.
- **Duties:**
 - Collecting and analyzing data to identify trends and insights.
 - Creating dashboards and reports to communicate findings.
 - Developing data-driven strategies to solve business problems.
 - Collaborating with IT and other departments to implement data solutions.
 - Monitoring and evaluating the impact of implemented strategies.

10. Investment Banker

- **Job Description:** Investment bankers provide financial advisory services to clients on mergers, acquisitions, capital raising, and other financial transactions.
- **Duties:**
 - Conducting financial analysis and valuation of companies.
 - Preparing pitch books and presentations for client meetings.
 - Facilitating mergers, acquisitions, and capital market transactions.
 - Negotiating deal terms and structuring financial agreements.
 - Managing relationships with clients and investors.

Skills and Competencies for MBA Graduates:

Regardless of the specific role, MBA graduates often possess and utilize a core set of skills:

- **Analytical Thinking:** Ability to analyze complex data and make data-driven decisions.
- **Team Management:** Leading teams, managing projects, and driving performance.
- **Strategic Planning:** Developing and implementing strategies to achieve business goals.
- **Communication Skills:** Articulating ideas clearly and effectively to various stakeholders.
- **Financial Acumen:** Understanding financial principles and managing budgets and investments.
- **Problem-Solving:** Identifying problems and developing innovative solutions.
- **Project Management:** Planning, executing, and monitoring projects to meet objectives.

MSBAN

Students graduating with a Master of Science in Business Analytics (MSBAN) often find themselves in roles that leverage their skills in data analysis, statistical modeling, and business acumen to help organizations make data-driven decisions.

These roles typically require a combination of technical skills (e.g., proficiency in programming languages like Python or R, knowledge of SQL, experience with data visualization tools) and soft skills (e.g., communication, problem-solving, critical thinking). MSBAN graduates are valued for their ability to transform data into actionable insights that drive business success.

1. Data Analyst

Job Description:

- Analyze large datasets to identify trends, patterns, and insights.
- Develop and maintain dashboards and reports.
- Collaborate with business units to understand their data needs and provide analytical support.

Duties:

- Collect, clean, and preprocess data from various sources.
- Use statistical tools to identify, analyze, and interpret patterns and trends in complex data sets.
- Create visualizations to present findings to stakeholders.
- Support decision-making processes with data-driven insights.

2. Business Intelligence Analyst

Job Description:

- Design and develop business intelligence solutions.
- Provide actionable insights to improve business performance.
- Work with cross-functional teams to understand business requirements and translate them into technical specifications.

Duties:

- Develop and manage BI solutions, including dashboards and reports.
- Use SQL and other query languages to extract data.
- Perform data validation and ensure data integrity.
- Conduct ad-hoc analysis and present results to senior management.

3. Data Scientist

Job Description:

- Build predictive models and machine learning algorithms.
- Conduct advanced statistical analysis to solve business problems.
- Communicate findings and recommendations to technical and non-technical audiences.

Duties:

- Develop, test, and implement statistical and machine learning models.
- Work with large datasets and perform data wrangling.
- Collaborate with engineering teams to deploy models in production.
- Present complex data findings in a clear, concise manner.

4. Business Analyst

Job Description:

- Analyze business processes and identify opportunities for improvement.
- Develop business requirements and process documentation.
- Act as a liaison between business stakeholders and technical teams.
- Analyze large business datasets to identify trends, patterns, and insights.
- Develop and maintain dashboards and reports.

Duties:

- Gather and document business requirements.
- Perform gap analysis and recommend solutions.
- Develop use cases, user stories, and process flows.
- Facilitate meetings and workshops with stakeholders.
- Use statistical tools to identify, analyze, and interpret patterns and trends in complex data sets to recommend solutions and forecast trends.

5. Marketing Analyst

Job Description:

- Analyze marketing data to inform campaign strategies.
- Evaluate the effectiveness of marketing campaigns.
- Provide insights to optimize marketing efforts and improve ROI.

Duties:

- Collect and analyze data on consumer demographics, preferences, and buying habits.
- Perform competitive analysis and market research.

- Develop reports and dashboards to track marketing performance.
- Use statistical methods to forecast future marketing trends.

6. Operations Analyst

Job Description:

- Improve operational efficiency through data analysis.
- Monitor and analyze key performance indicators (KPIs).
- Provide insights and recommendations for process improvements.

Duties:

- Analyze operational data to identify inefficiencies.
- Develop models to optimize resource allocation and scheduling.
- Create reports and presentations for management.
- Work with teams to implement process improvements.

7. Financial Analyst

Job Description:

- Analyze financial data to support business decisions.
- Prepare financial reports and forecasts.
- Conduct variance analysis and identify financial trends.

Duties:

- Collect and analyze financial data from various sources.
- Develop financial models to predict future performance.
- Prepare monthly, quarterly, and annual financial reports.
- Provide insights and recommendations based on financial analysis.

8. Product Analyst

Job Description:

- Analyze product performance and user behavior.
- Provide insights to guide product development and strategy.
- Work with product teams to improve user experience.

Duties:

- Collect and analyze data on product usage and customer feedback.
- Develop metrics and KPIs to measure product success.
- Create reports and dashboards to monitor product performance.

- Conduct market research and competitive analysis.

MSIS

Students graduating with a Master of Science in Information Systems (MSIS) tend to enter roles that involve managing and improving information systems, analyzing IT needs, and implementing technology solutions to meet business objectives.

These roles typically require a strong understanding of IT principles, excellent problem-solving skills, and the ability to communicate effectively with both technical and non-technical stakeholders. MSIS graduates are valued for their ability to bridge the gap between business needs and IT capabilities, ensuring that technology solutions align with organizational goals

1. IT Project Manager

Job Description:

- Plan, execute, and finalize IT projects according to strict deadlines and within budget.
- Coordinate the efforts of team members and third-party contractors or consultants.

Duties:

- Define project scope, goals, and deliverables.
- Develop detailed project plans and schedules.
- Manage project budgets and resource allocation.
- Communicate project status to stakeholders.
- Identify and manage project risks.

2. Systems Analyst

Job Description:

- Analyze and design information systems to meet the needs of users.
- Serve as a bridge between business requirements and technical solutions.

Duties:

- Gather and document system requirements.
- Develop system specifications and workflows.
- Analyze current systems and processes to identify improvements.
- Coordinate with developers and IT staff to implement solutions.
- Conduct system testing and validation.

3. Information Security Analyst

Job Description:

- Protect an organization's computer systems and networks.
- Implement and monitor security measures to safeguard information.

Duties:

- Develop and enforce security policies and procedures.
- Perform security audits and risk assessments.
- Monitor networks for security breaches and respond to incidents.
- Install and configure security tools such as firewalls and encryption programs.
- Stay updated on latest security threats and trends.

4. IT Data Administrator

Job Description:

- Ensure the efficient and effective use of data within an organization.
- Manage and maintain databases and ensure data integrity.

Duties:

- Design and manage database systems.
- Perform data backups and recovery.
- Implement security measures to protect data.
- Monitor database performance and optimize as needed.
- Create and manage database reports and queries.

5. IT Business Analyst

Job Description:

- Analyze business processes and requirements to identify technology solutions.
- Work with stakeholders to implement IT solutions that meet business needs.

Duties:

- Conduct requirements gathering sessions.
- Develop detailed business and functional requirements.
- Create use cases, user stories, and process flow diagrams.
- Collaborate with IT and business teams to implement solutions.
- Conduct user acceptance testing and training.

6. IT Consultant

Job Description:

- Provide expert advice to organizations on how to use information technology to achieve their goals.
- Analyze and design IT systems and processes.

Duties:

- Assess current IT systems and infrastructure.
- Recommend technology solutions to improve business efficiency.
- Develop implementation plans and timelines.
- Train staff on new systems and technologies.
- Provide ongoing support and maintenance.

7. Network Administrator

Job Description:

- Manage and support an organization's network infrastructure.
- Ensure network availability and performance.

Duties:

- Install, configure, and maintain network hardware and software.
- Monitor network performance and troubleshoot issues.
- Implement network security measures.
- Manage user access and permissions.
- Conduct regular network audits and upgrades.

8. Systems Administrator

Job Description:

- Oversee the installation, configuration, and maintenance of an organization's IT systems.
- Ensure systems are running efficiently and securely.

Duties:

- Install and configure operating systems and software.
- Monitor system performance and troubleshoot issues.
- Implement security measures and updates.
- Manage system backups and disaster recovery plans.
- Provide technical support to users.

9. Database Administrator (DBA)

Job Description:

- Manage and maintain an organization's databases.
- Ensure databases are secure, available, and performant.

Duties:

- Design, install, and configure databases.
- Perform regular database backups and recovery.
- Monitor database performance and tune as necessary.
- Implement database security policies.
- Develop and maintain database documentation.

10. IT Support Specialist

Job Description:

- Provide technical support to users and resolve IT issues.
- Install, configure, and maintain hardware and software.

Duties:

- Respond to IT support requests and incidents.
- Troubleshoot and resolve hardware and software issues.
- Set up and configure new computer systems.
- Provide user training and support.
- Document IT procedures and solutions.

MSEM

Students graduating with a Master of Science in Engineering Management (MSEM) tend to enter roles that combine their technical expertise with management skills to lead engineering projects, teams, and operations.

These roles typically require a strong foundation in engineering principles, excellent project management skills, and the ability to lead and communicate effectively with diverse teams. MSEM graduates are valued for their ability to manage complex engineering projects and drive organizational success through strategic decision-making and process optimization.

1. Engineering Manager

Job Description:

- Lead engineering teams to design, develop, and implement technical projects.
- Ensure projects are completed on time, within budget, and meet quality standards.

Duties:

- Plan and coordinate engineering projects.
- Manage and mentor engineering staff.
- Develop project budgets and schedules.
- Oversee product development from conception to completion.
- Ensure compliance with industry standards and regulations.

2. Project Manager

Job Description:

- Plan, execute, and oversee engineering projects from start to finish.
- Coordinate with cross-functional teams to ensure project success.

Duties:

- Define project scope, objectives, and deliverables.
- Develop detailed project plans, including timelines and budgets.
- Allocate resources and assign tasks to team members.
- Monitor project progress and make adjustments as needed.
- Communicate project status to stakeholders.

3. Operations Manager

Job Description:

- Oversee daily operations of engineering and manufacturing processes.
- Improve efficiency and productivity within engineering departments.

Duties:

- Develop and implement operational policies and procedures.
- Monitor production metrics and analyze performance data.
- Identify areas for process improvement and implement solutions.
- Ensure compliance with safety and quality standards.
- Manage budgets and allocate resources effectively.

4. Quality Assurance Manager

Job Description:

- Ensure products meet quality standards and specifications.
- Develop and implement quality control procedures and policies.

Duties:

- Create and maintain quality assurance documentation.
- Conduct regular inspections and audits of processes and products.
- Analyze data to identify quality trends and areas for improvement.
- Train staff on quality control procedures and best practices.
- Work with suppliers and customers to resolve quality issues.

5. Product Manager

Job Description:

- Oversee the development and lifecycle of a product from ideation to market.
- Align product development with customer needs and business goals.

Duties:

- Conduct market research to identify customer needs and market opportunities.
- Develop product roadmaps and strategies.
- Coordinate with engineering, marketing, and sales teams.
- Monitor product performance and gather customer feedback.
- Manage product budgets and timelines.

6. Supply Chain Manager

Job Description:

- Manage the end-to-end supply chain operations, including procurement, production, and distribution.
- Ensure efficient and cost-effective supply chain processes.

Duties:

- Develop supply chain strategies to optimize efficiency.
- Manage relationships with suppliers and vendors.
- Monitor inventory levels and demand forecasts.
- Implement process improvements to reduce costs and increase efficiency.
- Ensure compliance with regulatory requirements.

7. Manufacturing Manager

Job Description:

- Oversee manufacturing operations to ensure efficient production processes.
- Implement strategies to improve productivity and quality.

Duties:

- Develop and manage production schedules.
- Monitor production metrics and implement improvements.
- Ensure adherence to safety and quality standards.
- Manage and train manufacturing staff.
- Collaborate with engineering and design teams to optimize production.

8. R&D Manager

Job Description:

- Lead research and development projects to create new products or improve existing ones.
- Manage R&D teams and resources.

Duties:

- Develop R&D strategies and project plans.
- Allocate resources and manage project budgets.
- Oversee testing and validation of new products or technologies.
- Collaborate with cross-functional teams to bring products to market.
- Stay updated on industry trends and advancements.

9. Technical Consultant

Job Description:

- Provide expert advice on technical projects and solutions.
- Assist clients with implementing and optimizing engineering processes and systems.

Duties:

- Assess client needs and develop technical solutions.
- Provide guidance on best practices and industry standards.
- Conduct feasibility studies and risk assessments.
- Train client staff on new technologies and processes.
- Prepare detailed technical reports and documentation.

10. Process Improvement Manager

Job Description:

- Identify and implement improvements to engineering processes and systems.
- Use methodologies like Lean, Six Sigma, and Kaizen to enhance efficiency and quality.

Duties:

- Analyze existing processes to identify inefficiencies.
- Develop and implement process improvement plans.
- Monitor the effectiveness of implemented changes.
- Train staff on process improvement techniques.
- Prepare reports on process performance and improvement outcomes.

Healthcare Informatics

Graduates with a degree in Healthcare Informatics are equipped to handle roles that bridge the gap between healthcare and information technology. These roles focus on managing healthcare data, improving healthcare delivery through technology, and ensuring the security and privacy of patient information.

1. Health Informatics Specialist

Job Description:

- Implement and manage healthcare information systems to improve patient care and operational efficiency.

Duties:

- Develop and implement health information systems.
- Train healthcare staff on the use of new technologies.
- Analyze clinical data to improve patient outcomes.
- Ensure compliance with healthcare regulations and standards.
- Collaborate with healthcare providers to optimize workflows.

2. Clinical Informatics Analyst

Job Description:

- Analyze clinical data to support decision-making and improve clinical processes.

Duties:

- Collect and analyze clinical data from various sources.
- Develop reports and dashboards to present data insights.
- Work with clinicians to identify data needs and improve data quality.
- Conduct data validation and ensure data integrity.
- Support clinical research projects by providing data analysis.

3. Health Information Manager

Job Description:

- Oversee the management and security of health information systems and patient records.

Duties:

- Ensure accurate and secure storage of patient health information.

- Develop and enforce health information policies and procedures.
- Manage electronic health records (EHR) systems.
- Ensure compliance with health information privacy laws such as HIPAA.
- Train staff on health information management practices.

4. EHR Implementation Specialist

Job Description:

- Lead the implementation and optimization of electronic health record (EHR) systems.

Duties:

- Plan and manage EHR system implementation projects.
- Conduct workflow analysis and redesign to integrate EHR systems.
- Train healthcare staff on EHR system usage.
- Provide ongoing support and troubleshooting for EHR systems.
- Collaborate with vendors to customize EHR systems to meet organizational needs.

5. Healthcare Data Analyst

Job Description:

- Analyze healthcare data to improve patient care and operational efficiency.

Duties:

- Collect, clean, and analyze healthcare data.
- Develop predictive models to identify trends and patterns.
- Create visualizations to present data findings to stakeholders.
- Support quality improvement initiatives with data analysis.
- Monitor and report on key performance indicators (KPIs).

6. Clinical Data Manager

Job Description:

- Manage clinical data throughout its lifecycle, ensuring accuracy and compliance with regulations.

Duties:

- Develop and maintain databases for clinical data management.
- Ensure data quality and integrity.
- Manage data collection, entry, and validation processes.
- Support clinical trials and research by providing data management expertise.

- Generate reports and analyses for clinical studies.

7. Health IT Project Manager

Job Description:

- Plan, execute, and oversee health IT projects to improve healthcare delivery.

Duties:

- Define project scope, goals, and deliverables.
- Develop project plans, schedules, and budgets.
- Coordinate with cross-functional teams to ensure project success.
- Monitor project progress and make adjustments as needed.
- Communicate project status to stakeholders and management.

8. Health Information Privacy and Security Officer

Job Description:

- Ensure the privacy and security of health information systems and data.

Duties:

- Develop and enforce policies and procedures to protect health information.
- Conduct risk assessments and security audits.
- Implement security measures such as encryption and access controls.
- Monitor compliance with privacy regulations such as HIPAA.
- Respond to security incidents and breaches.

9. Population Health Analyst

Job Description:

- Analyze data related to population health to inform public health decisions and initiatives.

Duties:

- Collect and analyze data on population health trends.
- Identify and monitor health disparities within populations.
- Develop reports and visualizations to present findings.
- Support public health programs with data-driven insights.
- Collaborate with public health officials to implement data-informed strategies.

10. Telehealth Coordinator

Job Description:

- Oversee the implementation and operation of telehealth services.

Duties:

- Plan and manage telehealth programs.
- Train healthcare providers on telehealth technologies and best practices.
- Monitor the effectiveness and usage of telehealth services.
- Ensure compliance with telehealth regulations and standards.
- Provide technical support for telehealth systems and users.

Skills and Competencies for Healthcare Informatics Graduates:

1. Technical Skills:

- Proficiency in health information systems (EHR, EMR).
- Knowledge of data analysis tools (e.g., SQL, Python, R).
- Experience with health data standards (e.g., HL7, ICD-10, SNOMED).
- Familiarity with data visualization tools (e.g., Tableau, Power BI).

2. Analytical Skills:

- Strong problem-solving and critical-thinking skills.
- Ability to analyze and interpret complex healthcare data.
- Proficiency in statistical analysis and predictive modeling.

3. Healthcare Knowledge:

- Understanding of healthcare operations and workflows.
- Familiarity with clinical terminologies and coding systems.
- Awareness of healthcare regulations and compliance requirements (e.g., HIPAA).

4. Project Management:

- Strong organizational and project management skills.
- Ability to manage multiple projects and meet deadlines.
- Experience in leading and coordinating cross-functional teams.

5. Communication and Interpersonal Skills:

- Excellent written and verbal communication skills.
- Ability to present complex data and insights to non-technical stakeholders.
- Strong collaboration and teamwork abilities.

6. Problem-Solving:

- Ability to identify issues and implement effective solutions.
- Creative thinking to develop innovative approaches to healthcare challenges.

7. Attention to Detail:

- High level of accuracy and precision in data analysis and reporting.
- Vigilance in ensuring data quality and integrity.

DIT

Doctor of Information Technology (DIT) graduates typically take on advanced roles that involve strategic planning, high-level management, research, and development in the field of information technology.

These roles typically require advanced knowledge of IT principles, strong leadership and strategic planning skills, and the ability to drive technological innovation and improvements. DIT graduates are valued for their ability to lead complex IT initiatives, conduct high-level research, and provide expert guidance on technology strategies and solutions.

1. Chief Information Officer (CIO)

Job Description:

- Oversee the technology strategy and operations of an organization.
- Align IT initiatives with business goals and objectives.

Duties:

- Develop and implement IT strategies and policies.
- Manage IT budgets and allocate resources.
- Ensure the security and integrity of IT infrastructure and data.
- Lead and mentor IT staff and teams.
- Collaborate with other executives to support business goals through technology.

Chief Information Security Officer (CISO)

- Responsible for the development and implementation of an organization-wide information security strategy.
- Align security initiatives with business goals and manage risks effectively.

Job Description:

- Develop and Implement Security Policies
- Identify, assess, and prioritize potential risks to the organization's information systems and data.
- Lead the response to security breaches and incidents, including investigation, containment, and recovery efforts.
- Develop and deliver security awareness programs and training for employees to promote a culture of security and ensure compliance with security policies.
- Ensure that the organization complies with relevant laws, regulations, and standards.

Chief Technology Officer (CTO)

- Responsible for overseeing the development and dissemination of technology for external customers, vendors, and other clients to help improve and increase business.
- Ensures that the technological resources are aligned with the company's business needs and strategic goals.

Job Description:

- Develop and implement the company's technology strategy and roadmap.
- Lead research and development efforts to innovate and implement new technologies.
- Build and manage a high-performing technology team.
- Oversee the day-to-day operations of the IT and technology departments.
- Manage relationships with key technology vendors and stakeholders.

Chief Digital Information Officer (CDIO):

- Leads data analytics operations and reports to the CEO.
- Responsible for digital transformation strategy for the organization.

Job Description:

- Create digital strategy to align with the company's business goals.
- Ensure the integration of digital tools and systems across business functions.
- Work with senior executives to ensure digital initiatives support business strategy.
- Ensure data governance, cybersecurity, and compliance with data regulations.
- Establish metrics and KPIs to measure success of digital initiatives.

Chief Data and Analytics Officer (CDAO):

- Leads data management and analytics strategy of the organization.
- Oversees the collection, storage, and utilization of data to drive business insights & initiatives.

Job Description:

- Develop and implement a comprehensive data strategy.
- Lead data analytics team in developing advanced analytical models.
- Oversee the design, implementation, and maintenance of data architecture.
- Collaborate with departments to identify data needs.
- Develop and track KPIs to measure the effectiveness of data and analytics initiatives.

2. IT Director

Job Description:

- Manage and oversee an organization's IT department.
- Ensure that IT systems and services support the organization's operations and objectives.

Duties:

- Develop and enforce IT policies and procedures.
- Oversee the implementation and maintenance of IT infrastructure.
- Manage IT projects and initiatives.
- Ensure compliance with regulatory requirements and industry standards.
- Evaluate and implement new technologies to improve efficiency and productivity.

3. IT Consultant

Job Description:

- Provide expert advice and guidance on IT strategies and solutions.
- Assist organizations in optimizing their IT operations and infrastructure.

Duties:

- Assess client needs and develop customized IT solutions.
- Conduct risk assessments and feasibility studies.
- Provide recommendations on technology investments and improvements.
- Train and support client staff on new systems and technologies.
- Prepare detailed reports and documentation.

4. Information Security Manager

Job Description:

- Develop and implement information security policies and strategies.
- Protect an organization's IT systems and data from security threats.

Duties:

- Conduct security risk assessments and audits.
- Develop and enforce security policies and procedures.
- Implement security measures such as firewalls, encryption, and access controls.
- Monitor and respond to security incidents and breaches.
- Stay updated on the latest security threats and trends.

5. Research Scientist

Job Description:

- Conduct advanced research in information technology.
- Develop new theories, models, and technologies.

Duties:

- Design and conduct experiments and studies.
- Analyze data and interpret results.
- Publish research findings in academic journals and conferences.
- Collaborate with other researchers and institutions.
- Seek funding for research projects through grants and proposals.

6. IT Program Manager

Job Description:

- Oversee multiple IT projects and programs within an organization.
- Ensure projects are completed on time, within budget, and meet quality standards.

Duties:

- Develop and manage program plans and schedules.
- Coordinate and align project activities across teams.
- Monitor program progress and performance.
- Identify and mitigate risks and issues.
- Report program status to senior management and stakeholders.

7. Enterprise Architect

Job Description:

- Design and oversee the implementation of an organization's IT architecture.
- Ensure IT systems and solutions align with business goals and processes.

Duties:

- Develop and maintain IT architecture frameworks and standards.
- Evaluate and select technology solutions.
- Collaborate with business and IT leaders to align technology with business strategy.
- Provide guidance on IT infrastructure and application development.
- Monitor and assess the performance of IT systems.

8. IT Policy and Compliance Manager

Job Description:

- Ensure an organization's IT practices comply with legal and regulatory requirements.
- Develop and enforce IT policies and standards.

Duties:

- Conduct compliance audits and assessments.
- Develop and update IT policies and procedures.
- Train staff on compliance requirements and best practices.
- Monitor compliance with industry standards and regulations.
- Report compliance status to senior management.

9. Data Scientist

Job Description:

- Analyze and interpret complex data to provide insights and support decision-making.
- Develop predictive models and algorithms.

Duties:

- Collect, clean, and preprocess data from various sources.
- Use statistical and machine learning techniques to analyze data.
- Develop and validate predictive models.
- Communicate findings and insights to stakeholders.
- Collaborate with cross-functional teams to implement data-driven solutions.

10. Technology Innovation Manager

Job Description:

- Drive innovation and technology advancements within an organization.
- Identify and implement emerging technologies to improve business processes.

Duties:

- Monitor technology trends and identify opportunities for innovation.
- Develop and manage innovation projects and initiatives.
- Collaborate with internal and external partners to explore new technologies.
- Evaluate the potential impact of new technologies on business operations.
- Promote a culture of innovation within the organization.