

CAREER Mapping

MANAGEMENT INFORMATION SYSTEMS

WHERE MIS FITS IN THE WORLD
 The Management Information Systems (MIS) graduate will have a rewarding and value-added career integrating information technology, data analytics and organizational processes to meet the strategic needs of their business. The MIS professional role can span from developing critical information systems, using analytics and data science techniques to help the organization operate more effective and efficient, and/or creating a secure infrastructure through the application of state-of-the-art cyber security tools.

TECHNICAL SKILLS:

- Design and develop information systems
- Project management
- Problem solving with technology
- Problem solving with data & analytics
- Security hacking
- Data and analytics visualization
- Effective enhancement through technology

POSSIBLE INDUSTRIES

- Corporate industries:
- Energy
 - Healthcare
 - Gaming
 - Transportation & Logistics
 - Computer Technology
 - Consulting
 - Cyber Security
 - Network Technology
 - Software as a Service (SaaS)
 - Manufacturing
 - Agriculture
 - Retail

DAY IN THE LIFE

- Most work will be independent with some team interaction
- Many tasks will include detailed analysis to identify system issues and solutions
- Create test scripts and conduct thorough testing procedures
- Determine how to drive the business forward with technology, data troubleshooting and diagnose client issues
- Conduct data collection and analysis
- Gather client needs through frequent meetings and customer interactions
- May work with sales, marketing and other departments regularly
- Mix of doing the work, and communicating customer needs to other developers
- May help facilitate testing procedures with clients

WORK ENVIRONMENT:

- Office setting
- Opportunities to work remotely
- Opportunities for flexible scheduling

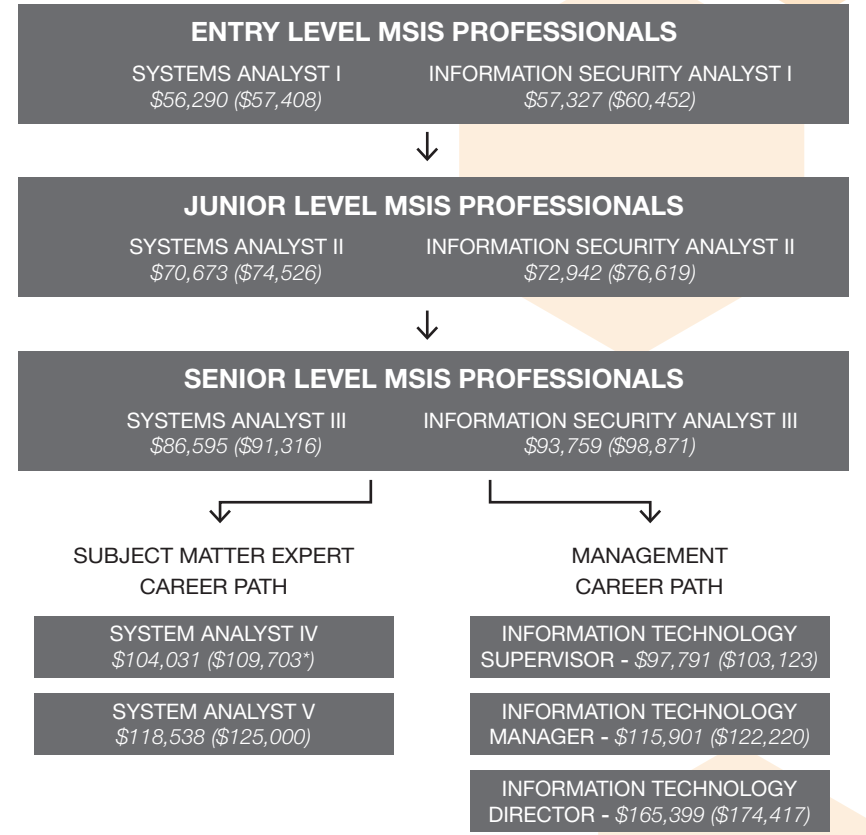
CAREER COMPETENCIES:

- Tech savvy
- Strategic mindset
- Drives results
- Resiliency
- Manages complexity
- Cultivates innovation
- Self-development



MSIS CAREER PROGRESSIONS

Salary data pulled in January 2020 from salary.com using Oklahoma City averages and national averages in parenthesis.



SAMPLE ENTRY LEVEL JOB TITLES

- Analytics Manager
- Applications Engineer
- Data Analyst
- Database Administrator
- Forensic Data Analyst
- Information Assurance Analyst
- IT Business Analyst
- IT Consultant
- IT Project Manager
- IT Security Analyst
- IT Training Specialist
- Mobile Application Developer
- Programmer Analyst
- Systems Analyst
- Software Developer
- User Interface Designer
- Web Content Manager

MANAGEMENT INFORMATION SYSTEMS

POTENTIAL EMPLOYER SAMPLE

AAON Inc	Microsoft
American Airlines	Mitratech
Apex Systems	Noble Energy
BNFS	OnCue
BOK Financial	OneGas
Boeing	ONEOK
Bridgeway Testing, LLC	ORS Nasco
capSpire	Osage Nation
Cerner	Paycom
Charles Machine Works	PDL Productions, LLC
Chesapeake Energy	Phillips 66
Cimarex Energy Co.	PriceWaterhouseCooper
Cisoshare	Proagrica
ConocoPhillips	Quorum
Credera	Seagate
Crosby	Sonic
Deloitte.	Stinnett & Associates
Devon Energy	S&S Enterprises
DirectTV	Spectrio
Ditch Witch	TD Ameritrade
Enovation Controls	Texas Instruments
Enterprise	Therapitas
Ernst & Young	T-Mobile
ExxonMobil	USAA
Information Services	Vizient, Inc.
FIS global	Walmart
FlightSafety International	Williams
Gateway Mortgage	Woot, Inc.
Global Client Solutions	
Google	
Grant-Thornton	
Helmerich & Payne	
Hilti	
Hobby Lobby	
Hogan Taylor	
Hostbridge	
InterWorks	
Koch Industries/Flint Hills	
L3 Communications	

PROFESSIONAL ORGANIZATIONS

Association of Information Technology Professionals
<https://www.aitp.org/>

Association of Software Professionals
<https://asp-software.org/>

Computer Technology
Industry Association
<https://www.comptia.org/>

Found at:

<https://jobstars.com/it-professional-associations-organizations/>

STUDENT/OKLAHOMA STATE UNIVERSITY ORGANIZATIONS

OSU Information Security and Assurance Club (ISAC)

<https://campuslink.okstate.edu/organization/osu-information-security-and-assurance-club>

Association of Information Technology Professionals (AITP)

<http://www.orgs.okstate.edu/aitp/>

JOB RESOURCES

Bureau of Labor Statistics
<https://www.bls.gov>

CNN Money
<https://money.cnn.com>

Mercer
<https://www.mercer.com>

Tech Jobs
<dice.com>

Simply Hired
<simplyhired.com>

I Crunch Data
<computerworld.com>

Information Week
<informationweek.com>

Intern Match
<internmatch.com>

The Association for
Information Technology
Professionals
<aitp.org>

Association for Information
Systems
<aisnet.org>

Tech Jobs
<dice.com>

16.6%

Increase in hiring
projected for the
Class of 2019 over
Class of 2018

NACE's *Job Outlook*
2019 survey.

CAREER RESOURCES FOR MSIS

Job Search Key Terms:
Cyber Security
Data Analytics
Information Technology
Management Information
Systems MIS (Careers)
Technical Support



CAREER Mapping



CNN MONEY REPORTS GROWTH RATES FOR THESE MIS CAREER PATHS:

- Systems Analyst (25%)
- Information Assurance Analyst (37%)
- IT Security Consultant (37%)



**EASTIN CENTER
FOR CAREER READINESS**
Spears School of Business