

# ESF 10 Oil and Hazardous Materials

Kansas Personnel Qualifications

# Comprehensive Resource Management and Credentialing System

## ESF 10 Personnel Credentialing

Expertise	KS Level 1	KS Level 2	KS Level 3	KS Level 4
<b>Environmental Technician</b>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Bachelor's or higher education in an earth or environmental science</li> <li>Work experience in an environmental job more than 5 years</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ENVT_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Bachelor's degree education in an earth or environmental science</li> <li>Work experience in an environmental job &gt; 5 years</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ENVT_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Associates Degree in an earth or environmental science</li> <li>Work experience in an environmental job &gt; 5 years</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ENVT_3</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>HS Diploma</li> <li>Work experience in an environmental job &gt; 5 years or retired</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ENVT_4</p>
<b>Environmental Technician - Remedial</b>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Bachelor's or higher education in an earth or environmental science</li> <li>40 HAZWOPER Certification</li> <li>Work experience in an environmental job more than 5 years</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ETREM_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Bachelor's degree education in an earth or environmental science</li> <li>40 HAZWOPER Certification</li> <li>Work experience in an environmental job &gt; 5 years</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ETREM_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Associates Degree in an earth or environmental science</li> <li>40 HAZWOPER Certification</li> <li>Work experience in an environmental job &gt; 5 years</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ETREM_3</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>HS Diploma</li> <li>40 HAZWOPER Certification</li> <li>Work experience in an environmental job &gt; 5 years or retired</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ETREM_4</p>

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Expertise	KS Level 1	KS Level 2	KS Level 3	KS Level 4
<b>Environmental Scientist - Water</b>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESWATER_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESWATER_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESWATER_3</p>	
<b>Environmental Scientist – Air</b>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESAIR_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESAIR_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESAIR_3</p>	

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## ESF 10 Personnel Credentialing

Expertise	KS Level 1	KS Level 2	KS Level 3	KS Level 4
<p><b>Environmental Scientist – Waste</b></p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESWASTE_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESWASTE_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESWASTE_3</p>	
<p><b>Environmental Scientist – Remedial</b></p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESREM_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESREM_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Bachelor’s or higher education in an earth or environmental science</li> <li>• Professional experience in an environmental job more than 5 years</li> <li>• 40 HAZWOPER Certification</li> <li>• IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_ESREM_3</p>	

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Expertise	KS Level 1	KS Level 2	KS Level 3	KS Level 4
<p><b>Environmental Engineer – Water</b></p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Three years or greater experience in professional environmental engineering</li> <li>One year or greater supervisory experience</li> <li>ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGWATER_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Two years or greater experience in professional environmental engineering</li> <li>ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGWATER_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGWATER_3</p>	
<p><b>Environmental Engineer – Air</b></p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Three years or greater experience in professional environmental engineering</li> <li>One year or greater supervisory experience</li> <li>ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGAIR_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Two years or greater experience in professional environmental engineering</li> <li>ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGAIR_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGAIR_3</p>	

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## ESF 10 Personnel Credentialing

Expertise	KS Level 1	KS Level 2	KS Level 3	KS Level 4
<b>Environmental Engineer – Waste</b>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Three years or greater experience in professional environmental engineering</li> <li>One year or greater supervisory experience</li> <li>ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGWASTE_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Two years or greater experience in professional environmental engineering</li> <li>ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGWASTE_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGWASTE_3</p>	
<b>Environmental Engineer – Remedial</b>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Three years or greater experience in professional environmental engineering</li> <li>One year or greater supervisory experience</li> <li>ICS-100, 200, 300, 400 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGREM_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>Two years or greater experience in professional environmental engineering</li> <li>ICS-100, 200 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGREM_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>Professional engineering licensed recognized by the Kansas Board of Technical Professions</li> <li>IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_EENGREM_3</p>	

# Comprehensive Resource Management and Credentialing System

## ESF 10 Personnel Credentialing

Expertise	KS Level 1	KS Level 2	KS Level 3	KS Level 4
<p style="text-align: center;"><b>Radiation Response Volunteer Corps (RRVC)</b></p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• Work experience involving radiation sources, radiation science, radiological health, radiological emergency preparedness, or general hazmat</li> <li>• Attended RRVC initial training</li> <li>• ICS-100, 200, and IS-700 training</li> <li>• Attended at least one Advanced RRVC training, seminar, or workshop</li> <li>• Participated in at least one population monitoring exercise or drill within the last 2 years</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_RRVC_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• At least six months work experience involving radiation sources, radiation science, radiological health, radiological emergency preparedness, or general hazmat</li> <li>• Attended RRVC initial training</li> <li>• ICS-100, 200, and IS-700 training</li> </ul> <p>Identification Code for CRMCS card:</p> <p>KS_RRVC_2</p>		

# Comprehensive Resource Management and Credentialing System

## ESF 10 Personnel Credentialing

Expertise	KS Level 1	KS Level 2	KS Level 3	KS Level 4
<p><b>Radiological Responder*</b></p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• At least 5 years work experience in a Health Physics field such as one involving radiation sources, radiation science, radiological health, or radiological emergency response; or Bachelor’s or higher education in radiation science, nuclear engineering or other radiation-related health physics field.</li> <li>• ICS-100, 200, 300, 400, &amp; IS-700 training</li> <li>• HAZWOPER Certification</li> <li>• Attended at least one entry-level radiological response-specific training course such as the DOE MERRTT, FEMA RERO, or equivalent.</li> <li>• Attended a Health Physics-specific course such as the ORAU courses: Introductory Health Physics (H-117), Fundamentals Health Physics (H-122), Applied Health Physics</li> <li>• Participation in at least one radiological emergency response drill or exercise within the last two years.</li> </ul> <p>Identification Code for CRMCS card: KS_RAD_1</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• At least 2 years work experience in a Health Physics field such as one involving radiation sources, radiation science, radiological health, or radiological emergency response; or Bachelor’s or higher education in radiation science, nuclear engineering or other radiation-related health physics field.</li> <li>• ICS-100, 200, 300 &amp; IS-700 training</li> <li>• HAZWOPER Certification</li> <li>• Attended at least one entry-level radiological response-specific training course such as the DOE MERRTT, FEMA RERO, or equivalent.</li> <li>• Attended a Health Physics-specific course such as the ORAU courses: Introductory Health Physics (H-117), Fundamentals Health Physics (H-122), Applied Health Physics</li> <li>• Participation in at least one radiological emergency response drill or exercise within the last two years.</li> </ul> <p>Identification Code for CRMCS card: KS_RAD_2</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• At least 12 month work experience involving radiation sources, radiation science, radiological health, or radiological emergency response, or general HazMat response; or Bachelor’s or higher education in radiation science, nuclear engineering or other radiation-related health physics field.</li> <li>• ICS-100, 200, &amp; IS-700 training</li> <li>• IS-3 (Radiological Emergency Management) training</li> <li>• Attended at least one entry-level radiological response-specific training course such as the DOE MERRTT, FEMA RERO, or equivalent.</li> <li>• Participated in at least one drill or exercise involving radioactive materials or attended at least one entry-level or refresher radiological training class within the last two years</li> </ul> <p>Identification Code for CRMCS card: KS_RAD_3</p>	<p>Requirements</p> <ul style="list-style-type: none"> <li>• At least 6 month work experience involving radiation sources, radiation science, radiological health, or radiological emergency response, or general HazMat response; or Bachelor’s or higher education in radiation science, nuclear engineering or other radiation-related health physics field.</li> <li>• ICS-100, 200, &amp; IS-700 training</li> <li>• IS-3 (Radiological Emergency Management) training</li> <li>• Attended at least one entry-level radiological response-specific training course such as the DOE MERRTT, FEMA RERO, or equivalent.</li> <li>• Participated in at least one drill or exercise involving radioactive materials or attended at least one entry-level or refresher radiological training class within the last two years.</li> </ul> <p>Identification Code for CRMCS card: KS_RAD_4</p>

*\*NOTE: For the “Radiological Responder” credential, this may apply to others outside of KDHE Radiation Control, such as first responders. It is unlikely a first responder will qualify at KS Level 1 or KS Level 2. However, most KDHE Radiation Control health physics staff will be either KS RAD 1 or KS RAD 2 and first responders will be 3 or 4.*