




2001 8

김태호의 보건학석사 학위논문을 인준함

심사위원 노재훈 

심사위원 이규룡 

심사위원 노영반 

연세대학교 보건대학원

2001년 6월 일

2

·
,
, 가
·
,
,
,
,
,
,
가

.....

. 1

. 4

1. 4

2. 5

. 6

1. 6

2. 8

3. 10

4. 11

5. 14

6. 17

. 19

. 25

..... 27

..... 28

..... 33

1.	.....	4
2.	.....	10
3.	.....	12
4.	.....	13
5.	.....	15
6.	.....	16
7.	.....	17
8.	.....	18

1.	.....	6
2.	.....	7
3.	.....	8
4.	.....	9

1981

(12) (10)

1. 384 가
33.1% (127) 가 27.1% (104),
14.3% (55), 10.6% (41),
1.6% (6) 가 13.3% (51) .
2. 385 가
43.9% (169) 가 29.3% (113),
7.0% (27), 8.1% (31) 가
11.7% (45) .
3. 219
가 32.9% (72) 가 21.9% (48),
16.9% (37), 11.9% (26),
2.7% (6) 13.7% (30) .

4. 246
가 43.5% (107) 가
23.9% (59), 13.0% (32), 9.4% (23)
10.2% (25) .

5. , ,
가 90% ,
, , , , 40%
.

, 가 .

가 .

: , , ,

•

1953 5 10

1

17

6 (10 , 64 73)

1981

28

•

. 1960

가

.

가

(1962),

(1961)

. 1963

1966

(, 1999).

1981

.

가

가

(, 1995).

1984

2 1 , 1985

.

. , 1991

가

가 1992

1990

가

, ,

.

1989

(

가)

가

.

(,

2001)

, , ,

.

1993

가 395

1998

59

1994

가 629

1998

172

(, 1999).

가

.

가

•

1.

(158 : 15 , 143) (184
 : 34 , 150)
 37 40 , 36 37 .

1

10%가

. 11 12 , 10
 10 (1).

1.

A	a
B	b
C	c
D	d
E	e
F	f
G	g
H	h
I	i
J	j
K	
L	

2.

2001

.

2 3가

6가 (, ,)

, , ,)

5가 (, , , ,)

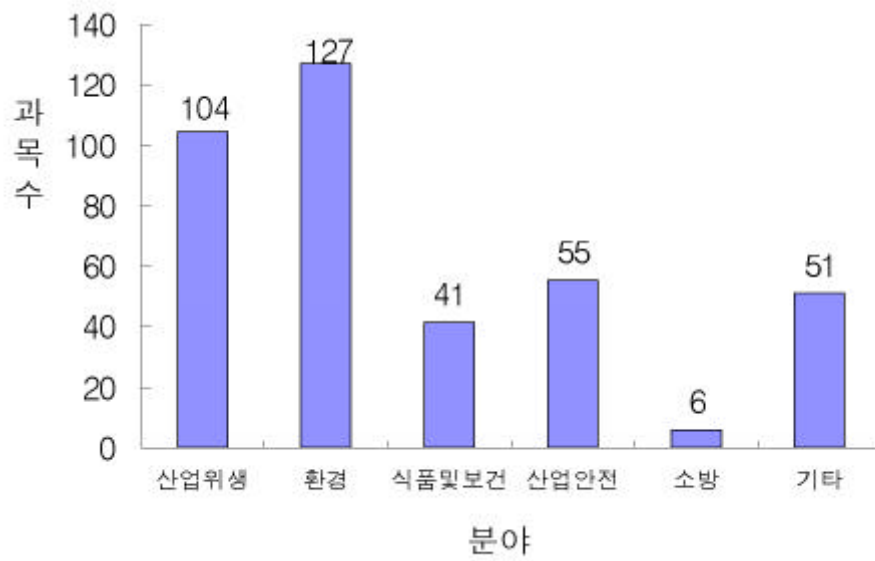
.

1 2 .

1.

가.

11 12 384
가 33.1% (127) 가 104
27.1% ()



1.

10 가 10 가
 385 가 43.9% (169) 가
 113 29.3% () 2).

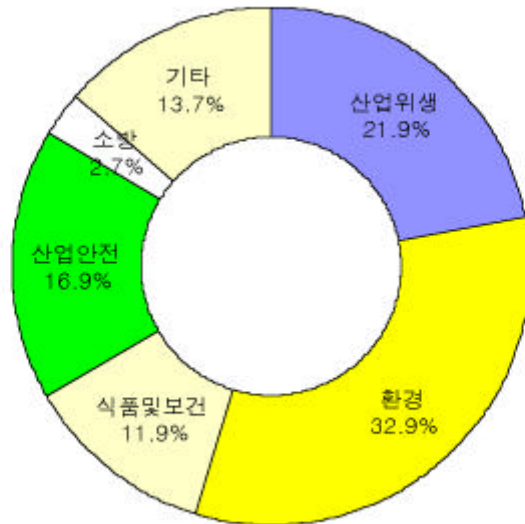


2.

2.

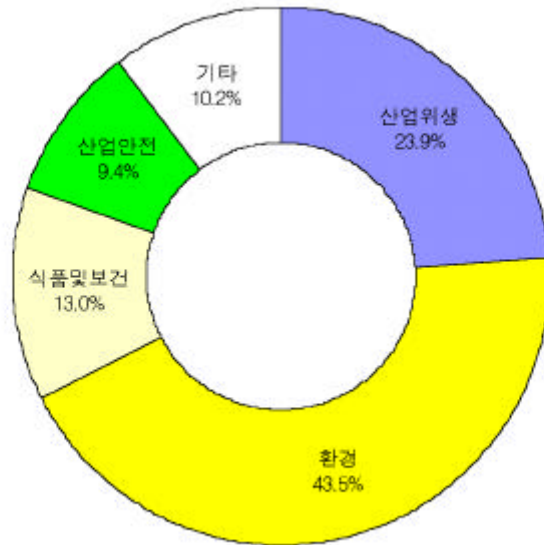
가.

219 가
32.9% (72) 가 21.9% (48) .
가 16.9% (37), 13.7% (30),
11.9% (26), 2.7% (6) (3).



3.

246 가
 43.5% (107) 가 59 23.9%
 가 13.0% (32),
 10.2% (25), 9.4% (23)
 (4).



4.

3.

() 22

가

가,

(2).

2.

()	13*	4	9
	21	11	10
	22	12	10
	10	3	7
()	14	11	3
(가)	20	12	8
()	8	2	6
	6	2	4
	8	2	6
	3	2	1
	6	3	3
	10	5	5
	10	5	5
	9	4	5
	3	1	2
	7	4	3

*

4.

가.

12

가

11

,

2

.

,

,

,

,

2

3

,

,

2

.

“

가”

가

가 7

(3).

.

10

가

9 ,

가

8

.

1 ,

2

,

2 ,

3

.

,

가

3

3

(4).

3.

	A	B	C	D	E	F	G	H	I	J	K	L
	3 [*]	3	2	3	2	3	2	-	3	2	3	3
	3	2	2	-	-	-	-	3	-	-	3	-
	2	2	2	-	-	-	-	2	-	-	-	-
	2	-	2	-	-	-	-	2	-	-	-	-
	2	3	2	3	2	3	2	3	3	2	-	2
	1	-	2	-	-	-	-	2	-	-	-	-
가	(1) ^{**}	3	(2)	2	(2)	2	2	(3)	2	(2)	(2)	(2)
	2	3	2	3	2	3	2	3	3	2	3	2
	-	3	-	-	-	-	-	3	-	-	-	-
	-	3	-	2	-	1	2	-	-	-	-	-
()	-	3	-	2	-	-	-	2	-	-	3	-
	-	2	-	-	-	-	-	2	-	-	-	-
	-	3	-	-	-	-	-	2	-	-	-	-
	-	-	2	2	-	-	-	-	2	2	-	2
	-	-	-	-	-	-	-	2	-	-	-	-
	-	-	-	-	-	-	2	-	-	-	-	2

^{*}, ^{**},

4.

	a	b	c	d	e	f	g	h	i	j
	2*	3	3	3	3	3	3	3	3	3
	-	2	3	-	2	3	3	-	-	-
	-	-	3	-	2	3	-	-	-	-
	-	3	3	3	3	3	-	3	3	-
	2	-	-	-	-	3	-	-	-	3
	-	-	3	-	2	3	-	-	-	-
(가)	-	3	3	3	3	3	3	3	3	-
	2	3	3	3	3	3	3	3	3	3
	2	3	-	3	-	3	-	3	3	-
	-	3	3	-	2	3	-	-	3	-
()	2	3	3	3	3	3	3	-	3	3
	-	-	-	-	3	3	-	3	3	-
()	-	-	3	-	-	-	-	-	-	-
	2	-	3	-	3	-	-	3	-	3
	-	-	2	-	3	-	-	-	-	-
()	-	3	3	-	2	3	-	3	3	-
	-	-	3	-	3	-	-	-	-	-
	-	-	-	3	2	-	3	-	-	-

*,

5.

가.

가 , .
4 ,
13 (5).
가, 5 (6).

가 , ,
가
5
, 18 (5)
(6).

5.

가

가

가

6.

가

가

6.

가.

가

(7).

7.

	(91.7%)*
	(25%)
	(16.7%)
	(33.3%)
	(25%)
	(100%)
가	가(41.7%)
	(33.3%)
	(91.7%)
	(25%)
	(16.7%)
	(41.6%)
	(100%)

;

가

(8).

8.

	(100%)*
	(70%)
	(50%)
	(30%)
	(40%)
가	가(80%)
	(50%)
가	
가	
	(100%)
	(30%)
	(10%)
	(30%)
	(50%)
	(90%)
	(10%)
	(20%)

2

가 ,

가
가

, , , , ,
 2 3가 가
 384 가
 33.1%(127) 가
 27.1%(104), 14.3%(55), 10.6%(41),
 1.6%(6)
 가
 246
 가 43.5%(107) 23.9%(59)
 , 가
 가
 3,457 가 1,420
 (41.1%), 1,393 (40.0%) 356 (10.3%) 가
 (, 2001b). 2000
 가 111 , 2,162 , 2,957 5,230
 (, 2001)

1993

가

가

가

가

가

1998

가

1999

가

1992

1995

1985

1999

,

,

.

,

,

.

.

,

(

16)

6 ,

3

가

22,742
 (, 1999)
 45.5%

20,882 90.2%

(WHO) basic
 requirement supporting knowledge, core content
 Supporting knowledge , , , , ,
 , , , core content
 , , 가 , 가,
 (,), , , ,
 (, 2001).

22 10
 , 7 6

WHO 가

가 가
 (, 1998a). 가

가 , , 가 (, 1999). , 90% , , , 20% . 가 , 가 (, 1998).

(, 1998b)

가 가 (, 1999). . 가 1997 343 2000 1,666 가 . 1999 183 2000 421 가 , 1999 161 2000 394 가 (, 2001a)

가

가 (, 1999).

가 . 가

가 .

•

10 (10) , 11 (12) ,

384

33.1% (127) 가 27.1% (104) ,
 가 14.3% (55) , 10.6% (41) ,
 1.6% (6) 가 13.3% (51) .

385

43.9% (169) 가 29.3% (113) ,
 7.0% (27) , 8.1% (31) 가
 11.7% (45) .

219

가 32.9% (72) 가
 21.9% (48) , 16.9% (37) , 11.9% (26) ,
 2.7% (6) 13.7% (30) .

246

가 43.5% (107) 가

23.9% (59), 13.0% (32),
 9.4% (23) 10.2% (25) .
 , ,
 90% , ,
 , , , 40% .
 , 가 .
 가 .

. 2001
 2001; 21-37
 . 2000 , 2001a
 . , 2001b
 . , 1999
 . 1 5 (), 1999
 . .
 . 1999; 241-263
 , , . 가 .
 1999; 9(2): 32-51
 . . , 1995
 . 2001
 2001; 9-12
 , , , , , , , , , ,
 , , .
 . , 1998; 199-264
 , , , . 21 가
 . , 1998a; 189-258
 , , , , , , . 가
 . , 1998b; 140-165
 . 가 , 1999
 . 가 , 2001

1-1.

1-2.

()

2-1.

2-2.

()

1-1.

() (),	,	,	,	,
,	(),	(),	()	
가,	,	,	()(),	
() ,	(),	() ,	*	
,	() ,	,	,	
,	,	,	(),	
()*,	() *	,	,	
,	(),	,	,	
,	,			
,	() ,	,	,	
,	,	,	(),	
(),	,	,	,	
(),	,	,	,	
,	(),	,	(),	
,	(),	()(),		
,	() ,	,	(),	
,	,	,	() ,	
,	,	가() ,	(),	
()(),	,	,	,	
,	,	,	,	
,	,	CAD	,	*
()*,	() *			

*

1-2. ()

()	,	()	,	()	,	,
,	,	,	,	,	,	,
()	,	,	,	,	가	,
,	()	,	,	,	,	,
,	,	,	,	,	,	,

()	,	,	,	,	,	,
,	,	,	,	,	,	,
()	,	,	,	()	,	,
,	()	,	,	,	,	,
,	,	,	,	,	,	,
,	,	가	,	,	,	,
,	,	,	가	,	,	,

,	CAD	,	,	,	,	()	,
,	()	,	,	,	,	()	,
,	,	,	,	,	,	,	,
,	,	Autocad	,	Wordprocess	,	,	,
,	,	,	,	,	,	,	,

2-1.

()*	,	가,	,
,	()	,	,
()	()	,	()(
)	,	()	,
*	()	,	
()()()	,		가,
	()	()	,
()	()	,	
*	,	,	,
,	,	,	,
,	,	,	,
,	,	,	,
()	()	,	,
()	()()	,	,
,	()	()	()
,	()()	,	()
()	,	,	()()
,	,	,	() (
)	()	,	,
,	가,	,	,
,	()	,	,
,	()	()	(가)
,	,	()	,
,	,	,	,

*

2-2.

()

						CAD,	
		가,					
			() [*] ,				
			()				(
)		()		()
							가,
			()			가,	
			()				
			()()			()	()
						()	
			()				()
			()				

*

=Abstract=

**The current status of curricula related to
industrial hygiene and qualified examination
in Korea**

Tae Ho, Kim

Department of Occupational Health

Graduate School of Health Science and Management

Yonsei University

(Directed by Professor Jaehoon Roh, MD, Ph.D)

Since the Occupational Safety and Health Law has been published in 1981, the industrial hygienic area started to be activated. Many colleges and universities have set the departments and curriculum related to this field, but there remains at only a few schools including Kyung In Women's College, In Je University, etc.

Therefore, this study is to survey the kinds and handling status of the curriculum included in the curricula of the departments relating to the industrial hygienics at the colleges (12 departments) and the

universities(10 departments) in Korea, and to identify the handling level of the concerned curriculum through comparison with the curriculum prescribed in the standards on the examinations for the license relating to industrial hygiene, of which the results are as follows:

1. Total number of curriculum types handled in the colleges is 384, of which 127 curriculum are of the environment area accounting for 33.1%, 104 curriculum of the industrial hygiene area being 27.1%, 55 being of the occupational safety area, 41 being of foods and general health area, 6 being of fire protection, and 51 being of others.

2. Total number of curriculum types handled in the universities is 385, of which 169 curriculum are of the environment area accounting for 43.9% being at the first rank, 113 being of the industrial hygiene area accounting for 29.3%, 27 being of the occupational safety area, 31 being of the foods and general health area, and 45 being of others.

3. Total number of curriculum titles handled in the colleges is 219, of which 72 curriculum accounting for 32.9% are of the environment area being at the first rank, 48 of 21.9% being of the industrial hygiene area, 16.9% of the occupational safety, 11.9% of the foods and general health, 2.7% of the fire protection area, and 13.7% of others.

4. Total number of curriculum titles handled in the colleges is 246, of which 107 curriculum accounting for 43.5% are of the environment area

being at the first rank, 59 of 23.9% being of the industrial hygiene area, 13.0% of foods and general health, 9.4% of the occupational safety, and 10.2% of others.

5. Among the curriculum prescribed in the standards on the examinations for the industrial hygienic engineer's license, industrial hygiene, industrial ventilation, the working environment measurement/assessment are being handled above 90%. however, personal protective appliances, labor physiology, physical harmful factors, health promotion, etc. are being handled at low level below 40%.

To conclude, the curriculum relating to the industrial hygiene are behind other environment-related curriculum, etc., in the number and handling level, and the curriculum prescribed in the standards on examinations for the industrial hygienic engineer's license are being handled at low level, and the speed responding to the environmental changes is also low. Therefore, it needs to include the curriculum demanded by the concerned people in the curricula of the colleges/universities and in the examinations for the industrial hygienic engineer's license, together with the existing curriculum.

key words : industrial hygiene, curriculum, college, university